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BY THE COMPTROLLER GENERAL

Report To The Congress

OF THE UNITED STATES

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AD A 0000043

Financial Status Of Major Federal Acquisitions September 30, 1980.

Federal departments' and agencies' major acquisitions in process are estimated to cost \$777 billion at completion. Cost estimates are shown in this report for each of the 1,040 civil and military acquisitions currently in development, test, production, or construction phases.

Inflation accounted for 45 percent of the cost growth in 131 projects where the agencies identified specific reasons for cost growth. Other reasons include increased quantities, additional engineering, and extended delivery dates.

This report discloses the financial status of each acquisition.

The information in this report was supplied by the agencies; however, its accuracy and completeness were not verified.

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COMPTROLLER GENERAL OF THE UNITED STATES
WASHINGTON, D.C. 20548

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To the President of the Senate and the
Speaker of the House of Representatives

This report concerns the financial status of major acquisitions of the U.S. Government, including acquisitions financed solely with Federal funds and those financed jointly with Federal, State, and other funds.

Departments and agencies responsible for major acquisitions gave us financial data on their projects and systems. The accuracy and completeness of the data in this report has not been verified.

Because of the numerous projects involved, we obtained explanations for cost growth only for those weapon systems included on selected acquisition reports of the Department of Defense and for other projects having cost increases of 100 percent or more. Inflation, engineering, and quantity changes were identified as the major causes of cost growth.

We are sending copies of this report to the Director, Office of Management and Budget; the Secretaries of the various departments; and the heads of independent agencies involved.

Milton J. Auster

Acting Comptroller General
of the United States

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ABBREVIATIONS

DDT&E	design, development, test, and evaluation
NASA	National Aeronautics and Space Administration
OMB	Office of Management and Budget
RDT&E	research, development, test, and evaluation

FINANCIAL STATUS OF MAJOR FEDERAL ACQUISITIONS

SEPTEMBER 30, 1980

Major acquisitions are estimated to cost \$776.6 billion at completion--an increase of \$325.8 billion, or 72 percent, over baseline estimates. Totals for each agency are shown in appendix I which also provides an index to locate acquisitions of each agency identified in the report.

In June 1975 we issued our first combined military and civil major acquisitions report. That report included 585 projects which were estimated to cost \$404 billion at completion. Since that time, the number of agencies and projects included in the report has increased. Last year, 1/ we reported the estimated costs of 940 major acquisitions to be \$606.8 billion. The estimated costs of 1,040 major acquisitions included in this report is \$776.6 billion, an increase of \$169.8 billion over those listed last year.

Information in this report was supplied by the departments and agencies as we requested. However, we did not validate the data for accuracy or completeness.

This report does not compare cost increases of the Department of Defense agencies with those of civil agencies. Overall comparisons could be misleading for many reasons, including different complexities of projects, varying periods involved, different methods of handling inflation, and a variety of means of establishing baselines. The report fulfills our primary objective of disclosing the financial status of major Federal acquisitions.

Estimated costs for Defense projects increased \$111.7 billion over last year. The largest increases are attributable to the Air Force projects which experienced an increase of \$51.2 billion, followed by a Navy increase of \$44.7 billion and an Army increase of \$15.7 billion. Some of the more significant items contributing to the cost increase were addition of new programs, such as the Air Force's M-X missile at \$53.7 billion; and Navy ships, submarines, aircraft, and electronics at \$24.6 billion. However, there were major reductions of \$5.1 billion to the Air Force's electronics programs and \$2.1 billion to the Navy's mine programs.

Estimated costs for civil agencies' projects increased \$58.1 billion over last year. Significant increases in cost estimates were reported in such civil agencies as:

--The Tennessee Valley Authority. (See p. 76.)

1/"Financial Status of Major Federal Acquisitions September 30, 1979" (PSAD-80-25, Feb. 12, 1980).

--The Army Corps of Engineers, where increases reflect a one-time adjustment to include inflation in project cost as now required by the Office of Management and Budget (OMB). The Corps also established a new baseline of September 30, 1979, incorporating the required OMB changes. (See p. 29.)

--The Department of Energy. Energy changed dates and estimates for a significant number of its projects because implementing OMB A-109 guidelines required establishing proper documentation for these projects. (See p. 20.)

Acquisitions included in this report are past the planning stage and are in the development, test, production, or construction phases. Completed projects are not included. Cost estimates given are current as of September 30, 1980.

Defense defined major programs as those with an estimated research, development, test, and evaluation (RDT&E) cost exceeding \$75 million or an estimated production cost exceeding \$300 million. Defense weapon system acquisitions listed in this report conform to this definition.

Civil agency definitions of major acquisitions vary in each agency. Lacking a uniform definition and since civil agencies' major systems usually cost considerably less than those of Defense, we used a uniform threshold of \$25 million to identify civil agencies' major acquisitions. The \$25 million threshold was also used for military construction projects and Defense computer acquisitions since they generally cost less than weapon systems.

The cost estimate of each system or project is shown in appendix II.

For Defense weapon systems and National Aeronautics and Space Administration (NASA) projects, the original cost estimate is used for planning purposes. The baseline estimate is the development estimate. When the departments and agencies provided revised baseline figures as a result of more realistic definitions of scope, the new baseline estimates were used for comparative purposes.

ANALYSIS OF SELECTED SYSTEMS

Civil agencies and departments provided cost growth analyses for acquisitions having 100 percent or more increases. Defense provided cost growth breakdowns for only the weapon systems included in selected acquisition reports. The agencies attribute increases to:

- (1) Quantity--changes including scope.
- (2) Engineering--changes altering a system's established physical or functional characteristics.

- (3) Support--changes involving spare parts, ancillary equipment, warranty provisions, and Government-furnished property or equipment.
- (4) Schedule--changes in delivery schedule, completion date, or some intermediate milestone of development, production, or construction.
- (5) Economic--changes that are influenced by one or more factors in the economy, such as inflation.
- (6) Estimating--corrections or other changes occurring since the initial or other baseline estimates for program or project costs.
- (7) Sundry--changes other than the above categories, such as environmental costs and relocation assistance for water and highway projects.

An analysis of 77 civil acquisitions having a 100-percent or greater cost growth is shown in appendix III. Economic changes, primarily inflation, account for 54 percent of the total cost growth on the civil acquisitions and are the principal causes of increased project costs. The following chart summarizes the analysis of civil acquisitions and also shows the cost growth data for Defense systems on the September 30, 1980, selected acquisition reports.

	Type of change							No. of projects 100% or more growth		
	Quan- tity	Engi- neer- ing	Sup- port	Sched- ule	Eco- nomic	Esti- mating	Sun- dry	Total	Total	
	----- (billions) -----									
<u>Civil agencies</u>										
Appalachian Regional Commission	\$ 1.6	\$ 1.9	\$ -	\$ -	\$ 5.7	\$ -	\$ -	\$ 9.2	1	1
Department of the Interior	0.5	0.5	-	-	6.2	0.9	0.2	8.3	29	90
Department of Transportation	9.8	29.7	0.2	0.2	56.8	1.7	4.4	102.8	12	93
Tennessee Valley Authority	1.3	2.2	-	3.9	12.2	3.3	2.6	25.5	10	14
Washington Metropolitan Area Transit Authority	1.1	0.5	0.1	2.0	1.2	0.7	0.1	5.7	1	2
Other	0.5	0.1	-	-	0.4	0.3	-	1.3	24	654
Total	<u>\$14.8</u>	<u>\$34.9</u>	<u>\$0.3</u>	<u>\$6.1</u>	<u>\$82.5</u>	<u>\$ 0.9</u>	<u>\$7.3</u>	<u>\$152.8</u>	<u>77</u>	<u>854</u>
<u>Department of Defense</u>										
Programs on selected acquisition reports:									On SAR	
Air Force	\$ 5.7	\$1.8	\$2.7	\$ 8.0	\$11.3	\$.1	\$1.1	\$ 30.7	14	38
Army	3.9	0.9	1.7	3.6	11.7	6.6	0.2	28.6	17	50
Navy	24.8	3.6	4.5	8.8	22.1	7.9	1.2	72.9	23	96
Other	-	-	-	-	-	-	-	-	-	2
Total	<u>\$34.4</u>	<u>\$6.3</u>	<u>\$8.9</u>	<u>\$20.4</u>	<u>\$45.1</u>	<u>\$14.6</u>	<u>\$2.5</u>	<u>\$132.2</u>	<u>54</u>	<u>186</u>

Cost data, extracted from Defense's selected acquisition reports on weapon systems, are shown in appendixes IV, V, and VI. These reports are provided quarterly to congressional committees and others to show current cost, schedule, and performance information. Appendix IV shows details on the annual cost changes. Appendix V shows the cost data on the September 30, 1980, selected acquisition reports, and is summarized in the preceding chart. Economic changes account for 34 percent of the total cost growth followed by quantity changes of 26 percent. Appendix VI shows program quantities and unit cost estimates at planning/development and as of September 30, 1980.

A summary of major acquisitions, aged in 10-year increments from their original date and their estimated costs, is shown in appendix VII.

Appendix VIII lists many of our reports pertinent to selected major acquisitions issued during fiscal years 1975-80. If more than one report was issued about a major acquisition, only the most recent one is shown.

APPENDIX I

APPENDIX I

FINANCIAL STATUS OF MAJOR FEDERAL ACQUISITIONS
SUMMARY BY AGENCY
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY	REFERENCE PAGE OF APP. II	NUMBER OF PROJECTS	ORIGINAL ESTIMATE	BASILINE ESTIMATE	CURRENT ESTIMATE	INCREASE OVER BASILINE ESTIMATE
APPALACHIAN REGIONAL COMMISSION	6	1	1,150.0	1,153.0	10,348.2	9,198.2
ARCHITECT OF THE CAPITOL	6	4	168.5	255.7	324.5	113.4
CORPORATION FOR PUBLIC BROADCASTING	6	1	57.7	57.7	60.7	3.0
DEPARTMENT OF COMMERCE: MARITIME ADMINISTRATION	4	10	1,170.8	1,173.3	1,091.7	79.1-
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	7	5	625.1	625.7	737.5	110.4
DEPARTMENT OF DEFENSE: DEFENSE LOGISTICS AGENCY	7	1	69.9	59.9	69.1	.9-
DEPARTMENT OF THE AIR FORCE	4	38	95,419.9	114,299.7	128,671.5	14,371.4
DEPARTMENT OF THE ARMY	11	50	30,565.8	43,592.0	75,001.7	31,409.7
DEPARTMENT OF THE NAVY	14	95	106,164.2	128,015.3	252,203.9	104,187.3
OTHER DOD PROGRAMS	20	1	137.0	137.0	137.0	
DEPARTMENT OF ENERGY	26	83	16,886.6	22,045.6	22,547.5	500.9
DEPARTMENT OF HEALTH AND HUMAN SERVICES: NATIONAL INSTITUTES OF HEALTH	28	2	114.2	177.7	179.4	1.7
SOCIAL SECURITY ADMINISTRATION	28	1	34.3	34.3	55.6	22.3
DEPARTMENT OF JUSTICE: FEDERAL BUREAU OF INVESTIGATION	24	1	55.4	55.4	55.4	
IMMIGRATION & NATURALIZATION SERVICE	24	1	13.7	59.5	59.5	
DEPARTMENT OF STATE	28	4	219.3	219.3	244.5	29.3
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS	29	170	8,450.4	37,457.5	41,642.2	11,194.7
DEPARTMENT OF THE INTERIOR: INDIAN HEALTH SERVICE	40	1	33.0	30.4	52.8	2.4
NATIONAL PARK SERVICE	40	35	1,942.5	2,085.5	2,623.0	537.4
WATER & POWER RESOURCES SERVICE	40	54	6,276.3	7,059.9	14,222.8	9,152.9
DEPARTMENT OF THE TREASURY: INTERNAL REVENUE SERVICE	44	1	210.0	211.0	217.6	7.6
DEPARTMENT OF TRANSPORTATION: FEDERAL AVIATION ADMINISTRATION	47	19	1,485.5	2,123.5	2,834.7	711.4
FEDERAL HIGHWAY ADMINISTRATION	48	5	38,152.0	54,152.0	158,671.0	100,519.0
FEDERAL RAILROAD ADMINISTRATION	49	1	1,900.0	1,977.0	2,572.0	672.0
U.S. COAST GUARD	49	9	902.7	992.7	2,145.2	1,242.5
URBAN MASS TRANSPORTATION ADMINISTRATION	49	59	9,162.4	9,694.7	11,115.6	1,423.4
DISTRICT OF COLUMBIA GOVERNMENT	55	6	355.5	378.2	365.4	57.2
ENVIRONMENTAL PROTECTION AGENCY	55	300	20,886.2	22,181.7	24,942.7	2,751.0
GENERAL SERVICES ADMINISTRATION	73	12	588.6	754.1	740.6	15.5-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	74	15	7,931.8	8,032.7	13,741.4	5,708.7
NATIONAL RAILROAD PASSENGER CORPORATION	75	8	888.4	993.3	1,064.1	70.9
NATIONAL SCIENCE FOUNDATION	76	1	74.0	74.0	74.2	2.2
PENNSYLVANIA AVENUE DEVELOPMENT CORPORATION	76	1	223.0	223.0	223.0	
SMITHSONIAN INSTITUTION	76	1	21.5	21.5	25.5	5.0
TENNESSEE VALLEY AUTHORITY	74	14	9,247.9	9,835.9	35,373.8	25,537.9
VETERANS ADMINISTRATION	77	27	1,494.3	1,243.1	1,911.7	559.3
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	79	2	2,559.6	2,559.6	8,199.4	5,640.2
TOTAL		1,040	365,839.9	450,774.3	776,547.0	325,773.1

APPENDIX II

APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1960
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	FEDERAL SHARE	NON-FEDERAL SHARE	AMOUNT	%	AMOUNT	%	
APPALACHIAN REGIONAL COMMISSION:											
APPALACHIAN DEVELOPMENT HIGHWAY (ADD. 111. P. 43)	1965	1,150.0	1965	1,150.0	3,212.2	10,348.2	9,198.2	800	2,108.3	26	
ARCHITECT OF THE CAPITOL:											
ALTERATION HOUSE OFFICE BUILDING ANNEX NO. 2	02/75	15.0	02/75	15.0		25.5	10.5	70			n1
HART SENATE OFFICE BUILDING	10/72	47.9	12/74	85.1		137.7	52.5	52			
LIBRARY OF CONGRESS, JAMES MADISON BUILDING	10/65	75.0	03/59	75.0		130.7	55.7	74			
MODIFICATIONS AND ENLARGEMENT, CAPITOL POWER PLANT	07/73	30.6	07/73	30.6		30.6					
AGENCY TOTAL		168.5		205.7		324.5	119.8				
CORPORATION FOR PUBLIC BROADCASTING:											
SATELLITE DISTRIBUTION SYSTEM FOR PBS & NPR	09/79	57.7	09/79	57.7	10.7	50.7	3.0	5	3.0	5	
DEPARTMENT OF COMMERCE:											
MARITIME ADMINISTRATION:											
CONSTRUCTION DIFFERENTIAL SUBSIDY:											
AMERICAN ATLANTIC SHIPPING BREAKBULK VESSELS	05/77	28.7	05/77	28.7	14.7	28.7					
AMERICAN PRESIDENT LINES CONTAINER VESSELS (147/MSB-452)	03/79	273.0	03/79	273.0	135.7	273.0					

APPENDIX II

FARRELL LINES CONTAINER SHIPS (MA/MSB-369)	06/76	156.7	06/75	156.7	78.9	156.7		
LEWINGSTON FALCON SHIPPING CO DRY BULK CARRIERS (MA/MSB-427)	11/78	200.3	10/79	200.3	50.5	121.2	79.1-	39-
SUWANNEE RIVER INTEGRATED TUG/BARGE CHEMICAL/OIL VESSEL (MA/MSB-433)	11/78	54.7	10/79	54.7	27.6	54.7		
SUWANNEE RIVER INTEGRATED TUG/BARGE CHEMICAL/OIL VESSEL (MA/MSB-430)	10/78	54.7	10/79	54.7	27.6	54.7		
SUWANNEE RIVER INTEGRATED TUG/BARGE CHEMICAL/OIL VESSEL (MA/MSB-435)	10/78	54.7	10/79	54.7	27.6	54.7		
WATERMAN STEARSHIP CORP LASH/CONTAINER CARGO VESSELS (MA/MSB-409)	11/77	140.1	11/77	140.1	73.8	140.1		
WATERMAN STEARSHIP CORP RO/RO CONTAINER VESSEL (MA/MSB-446)	11/78	137.4	11/79	137.4	59.5	137.4		
WATERMAN STEARSHIP CORP RO/RO CONTAINER VESSEL (MA/MSB-455)	06/79	70.5	06/79	70.5	35.3	70.5		
SUB TOTAL		1,173.8		1,170.8	552.3	1,091.7	79.1-	

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION:

AUTOMATION OF FIELD OPERATIONS AND SERVICES	06/73	43.8	09/74	45.4		52.0	5.5	15	5.5	12
GEOSTATIONARY OPERATIONAL ENVIRONMENTAL SATELLITE - D, E AND F	09/74	52.5	09/74	52.5		109.7	45.2	74	5.3	5
NEXT GENERATION WEATHER RADAR	09/80	320.0	09/80	320.0		320.0				
NOAA A THROUGH G (TIPOS - N)	09/74	133.8	09/74	133.8		179.3	45.5	34	3.3	2
SAND POINT FACILITY	07/75	55.0	07/75	55.0		77.5	12.3	19		
SUB TOTAL		625.1		626.7		737.5	110.9		15.7	
AGENCY TOTAL		1,795.9		1,797.5	552.3	1,829.2	31.7		53.4-	

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1940
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	AMOUNT	DATE	AMOUNT	CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE	AMOUNT	%	YEARLY CHANGE	NOTES
					FEDERAL SHARE	NON- FEDERAL					
					AMOUNT	AMOUNT		AMOUNT	%	AMOUNT	%
DEPARTMENT OF DEFENSE:											
DEFENSE LOGISTICS AGENCY:											
DATA PROCESSING AND TELECOMMUNICATIONS:											
ADPE REPLACEMENT	09/79	69.9	09/79	59.9			69.1		-8-	89-	1-
DEPARTMENT OF THE AIR FORCE:											
CONSTRUCTION:											
ARNOLD ENG DEV CENTER, IN, AERO PROP SYS TEST FACIL	01/76	437.0	09/75	437.0			437.0				
KEESLER AFB, MS, COMPOSITE MEDICAL FACILITY	10/74	43.1	10/75	43.1			45.3	2.2	5		
LACKLAND AFB, TX, COMPOSITE MEDICAL FACILITY	10/74	97.6	10/75	97.6			94.8	2.8-	3-		
VANDENBERG AFB, CA, M-X TEST FACIL, PHASE I, FY80	11/79	57.0	09/80	39.2			39.2				01
VANDENBERG AFB, CA, STS LAUNCH COMPLEX	04/79	194.7	09/79	118.2			200.6	82.4	70	82.4	70
VANDENBERG AFB, CA, STS- ORBITER PROCESS FACIL, FY80	11/79	43.0	09/80	46.5			46.5				01
WRIGHT-PATTERSON AFB, OH, AIR POLLUTION ABATEMENT	09/75	32.8	09/75	32.8			33.8	1.0	7		
DATA PROCESSING AND TELECOMMUNICATIONS:											
AF WEATHER SYSTEM SUPPORT (AFSS-15)	10/80	37.4	09/80	37.4			37.4				01

APPENDIX II

APPENDIX II

BASE LEVEL DATA AUTOMATION (ADPS-59)	09/79	240.9	09/79	240.9	192.1	48.8-	20-	48.8-	20-	
CNO CEN PROG/DISPLAY SYS (ADPS-VP)	09/80	25.3	09/80	25.3	25.3					01
DEFENSE SUPPORT PROGRAM (ADPS-79)	09/80	74.0	09/80	74.0	74.0					01
FAA/JSS (ADPS-89)	05/79	104.4	09/79	55.0	55.0			38.4-	37-	
IDMS (ADPS-90)	09/79	66.7	09/79	56.7	37.9	28.8-	43-	28.8-	43-	
MMCCS (ADPS-80)	09/80	88.3	09/80	98.3	88.3					01

SYSTEMS:

A-10 AIRCRAFT (APP. V, P. 92)	04/70	1,025.5	01/73	2,489.7	5,036.8	3,547.1	142	1,224.3	25	03
ADVANCED AIRBORNE COMMAND POST (E-4) (APP. V, P. 92)	01/73	467.8	09/73	484.2	1,233.2	748.9	155	757.8	159	03
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A) (APP. V, P. 92)	11/68	2,655.7	06/71	2,661.6	4,357.5	1,695.9	54	210.3	5	
ALCM MISSILE (APP. V, P. 92)	03/75	420.1	01/78	4,184.0	5,329.6	1,145.5	27	870.7	20	
ANRAAM COUNTERAIR MISSILE (ACTE ONLY)	01/79	2,678.2	01/79	2,678.2	469.0	2,209.2-	82-			01,04
B-1 AIRCRAFT	03/69	8,954.5	06/70	11,218.8	4,275.0	5,943.8-	52-	23.5-	1-	
C-5A WING MODIFICATION	04/75	896.3	04/75	896.2	1,540.2	543.9	72			01
DEF SATELLITE COMM SYS (DSCS III-SPACE SGMT) (APP. V, P. 92)	11/76	893.6	11/75	843.6	1,103.9	210.3	24	255.9	30	
EF-111A AIRCRAFT (APP. V, P. 92)	05/75	631.9	05/75	631.9	1,358.2	726.3	115	195.6	17	
F-15 AIRCRAFT (APP. V, P. 92)	03/69	5,039.1	01/70	7,355.2	14,200.7	5,045.5	93	897.7	7	
F-16 AIRCRAFT (APP. V, P. 92)	01/76	6,054.5	01/75	5,054.5	18,712.1	12,557.5	209	3,551.3	24	
GROUND LAUNCHED CRUISE MIS- SILE (GLCM) (APP. V, P. 92)	01/78	1,527.2	01/78	1,527.2	2,123.6	595.4	39	420.3	25	03

APPENDIX II

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1986
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE	CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE	YEARLY CHANGE	NOTES
	DATE	AMOUNT	DATE	AMOUNT	AMOUNT	
DEPARTMENT OF DEFENSE: (CONT.)						
DEPARTMENT OF THE AIR FORCE: (CONT.)						
SYSTEMS: (CONT.)						
HAWK (ACM-RR) (APP. V, P. 92)	17/78	1,552.0	07/78	1,052.0	1,853.2	77 593.2 47 04
IIR MAVERICK (ACM-50) (APP. V, P. 92)	09/76	1,592.9	09/76	1,592.9	2,532.5	59 674.4 36
JTTS	09/77	225.8	04/78	475.3	651.9	37 1,833.1- 74- 04
AC-119A ADVANCED TANKER CARO AIRCRAFT	11/76	2,901.2	09/77	5,855.5	1,456.4	73- 437.9 43
LOW ALTITUDE AIRFIELD ATTACK SYSTEM	09/77	85.8	01/79	651.3	255.3	53- 2,859.2- 02- 01
M-X MISSILE SYSTEM	09/80	53,743.0	09/80	53,743.0	53,743.0	
NAVSTAR GLOBAL POSITIONING SYSTEM	12/73	131.9	06/79	5,784.7	2,437.1	59- 3,347.5- 58- 05
NIGHT ATTACK PROGRAM (LANTERN)	09/80	741.9	09/80	741.9	741.9	01
POSITIONING & LOCATING STRIKE SYS (APP. V, P. 92)	05/75	550.9	09/77	954.5	542.9	33- 374.5 140
SIDEWINDER AIM-9L MISSILE (APP. V, P. 92)	06/71	133.7	06/71	133.7	563.5	321 57.8 11 03,04
SPARROW AIM-7F MISSILE (APP. V, P. 92)	01/67	11.7	03/69	254.1	937.8	259 47.9 5 04
TR-1	09/77	551.5	09/77	531.5	568.0	21 84.1 14
SUB TOTAL		95,419.9		114,299.7	128,571.5	14,371.8 2,582.2

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DEPARTMENT OF THE ARMY:

CONSTRUCTION:

FORT CAMPBELL, KY, HOSPITAL (PN236)	02/76	58.2	02/75	58.2	46.5	11.7-	20-	2.4	6
FORT MOOD, TX, ADD'N, JAR-VALL ARMY HOSPITAL (PN 324)	02/78	47.7	02/75	47.7	46.2	1.5-	5-	1.2-	3-
FORT KNOX, KY, HOSPITAL ADDITION/ALTERATION (PN228)	10/74	42.3	10/74	42.3	37.9	4.4-	10-	2.5	7
FORT LEONARD WOOD, MO, EM BARRACKS COMPLEX (PN151)	11/72	32.2	02/75	41.3	45.4	4.1	10		
FORT POLK, LA, EM BARRACKS COMPLEX (PN112)	02/75	33.8	02/75	33.8	29.8	4.3-	12-		
FORT POLK, LA, EM BARRACKS COMPLEX (PN124)	07/74	38.1	07/74	38.1	30.7	7.4-	19-		
FORT POLK, LA, HOSPITAL (PN 138)	02/77	44.3	02/77	44.3	44.2	.1-		.9-	2-
FORT STEWART, GA, HOSPITAL (PN61)	02/78	39.3	02/73	39.3	43.8	4.5	11		
GERMANY, AMMO STORAGE (PN311)	02/77	75.8	02/77	75.8	93.1	17.3	23	8.7-	4-
GERMANY, HOSP ADJ'N/ALTER, LANDSTUHL (PN 188)	02/78	30.3	02/73	30.3	38.8	9.5	28		
GERMANY, IMPROVE AMMO STORAGE (PN317-100)	02/76	38.6	02/75	38.6	35.7	18.1	47	1.5	3
GERMANY, MODIFICATION OF STORAGE SITES (PN185)	10/74	34.0	10/74	34.0	49.9	15.9	47	1.3	1
GERMANY, POMCUS STORAGE & MAINT FAC (PN542)	02/78	55.9	02/79	56.9	72.9	15.3	28		
GERMANY, TOT FORCE, AMMO STORAGE (PN 310)	02/78	33.0	02/78	33.0	32.9	.1-		2.7	9
HIGH ENERGY LASER SYSTEM TEST FACILITY, WHITE SANDS, NM (PN275)	02/77	33.4	02/77	33.4	43.8	10.4	31		
HOLSION AAP, TV, IND WASTE TRT, PH2-UPC (PN27)	02/78	29.0	02/79	29.0	28.5	.4-	1-		

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	AMOUNT	DATE	ESTIMATE AMOUNT	CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE	YEARLY CHANGE AMOUNT	NOTES
					NON- FEDERAL SHARE	TOTAL AMOUNT			
DEPARTMENT OF DEFENSE: (CONT.)									
DEPARTMENT OF THE ARMY: (CONT.)									
CONSTRUCTION: (CONT.)									
WALTER REED ARMY MEDICAL CENTER, DC. HOSPITAL (PN87)	02/71	112.5	10/75	154.7		148.0	13.3	1.0	3.0 2
DATA PROCESSING AND TELECOMMUNICATIONS:									
DECENTRALIZED AUTOMATED SUPPORT SYSTEM	05/79	449.8	09/79	449.8		449.8			01
DIV LEVEL DATA ENTRY DEVICE	09/79	237.0	09/79	237.0		237.0			01
VERTICAL INSTALLATION AUTOMATION BASELINE	09/79	158.6	05/79	158.6		158.6			01
SYSTEMS:									
A4-64 ATTACK HELICOPTER (APP. V. P. 92)	05/73	1,800.2	12/75	3,758.1		3,855.3	2,099.2	55	311.4 18
AMIP HELICOPTER IMPROVEMENT PROG (AD78E ONLY)	07/80	1,527.0	07/80	1,527.0		143.0	1,384.0	31-	01
AN/TPQ-37 ARTILLERY LOCATING RADAR SET	08/74	226.4	10/75	438.1		480.5	42.4	17	84.4 21
AN/TTQ-39 COMMUNICATIONS (TRI-TAC) (APP. V. P. 92)	07/74	801.1	07/74	801.1		911.0	109.9	14	55.3- 5-
BLACKHAWK UH-60A UTAS HELICOPTER (APP. V. P. 93)	06/71	2,307.3	06/71	2,307.3		5,987.5	3,680.2	150	2,374.2 43
CH-57 HELICOPTER MODERNIZA- TION (APP. V. P. 91)	12/75	1,344.2	01/77	1,532.8		2,377.8	813.3	32	315.3 26
CHAPARRAL MISSILE	01/66	95.4	01/65	35.4		1,031.1	935.7	941	452.1 78

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COPPERHEAD CANYON LAUNCHED GUIDED PROJECTILE (APP. V. P. 93)	06/75	1,116.2	09/75	1,249.7	1,162.4	78.3-	5-	217.2-	16-	03
DIAC GUN (APP. V. P. 93)	11/76	1,770.5	11/77	3,185.8	911.7	921.7	29	785.2	24	
DRAGON MISSILE	10/65	582.2	02/65	404.2	527.2	125.0	30	13.1	2	
FIGHTING VEHICLE SYSTEM (FORMERLY IFV/FPV/ICV) (APP. V. P. 93)	07/71	785.5	04/72	726.4	7,809.4	7,993.0	375	1,338.0	20	03
FIRE SUPPORT TEAM VEHICLE	01/79	315.7	01/79	315.7	413.5	97.5	31			01
HELLFIRE MISSILE SYSTEM (APP. V. P. 93)	12/72	285.9	03/75	735.1	1,021.9	245.3	33	113.7	13	
HELLFIRE-FIRE & FORGET SEEKER	09/78	311.2	09/93	1,957.6	1,957.6	769.7	65			
IMPROVED HAWK MISSILE	10/64	335.5	04/53	588.2	1,216.9	528.7	107	54.5	3	
LANCE MISSILE	18/63	586.7	06/67	652.9	1,080.4	427.5	55			
M-108 TOWED 155MM HOWITZER (APP. V. P. 93)	12/70	129.5	04/72	121.9	255.9	134.0	110	76.5	42	03
MULTIPLE LAUNCH ROCKET SYS (WAS GSRs) (APP. V. P. 93)	04/79	3,454.0	04/79	3,454.0	3,454.0	505.4	15	505.4	14	03
NAVSTAR GLOBAL POSITIONING SYSTEM	12/73	17.1	04/75	673.0	305.8	357.2-	55-			03
PATRIOT MISSILE (SAM-D) (APP. V. P. 93)	08/65	4,915.6	03/72	5,240.5	7,916.5	2,676.0	31	2,224.5	41	
PERSHING II MISSILE BATTERY (APP. V. P. 93)	11/74	628.5	12/79	1,571.0	1,754.4	123.0	12	193.4	12	
REMOTELY PILOTED VEHICLE	11/77	256.9	09/78	553.2	800.0	235.8	42	446.5	24	
ROLAND MISSILE SYSTEM (APP. V. P. 93)	05/75	1,114.2	05/75	1,119.5	1,328.8	813.5	73	450.0-	14-	03
SINGLE CHANNEL GROUND/AIR RADIO (SINGARS)	02/76	78.9	04/79	1,197.8	1,553.3	343.5	31	135.9	14	
STANDOFF TARGET ACQ SYS (SOTAS) (APP. V. P. 93)	04/77	128.4	05/79	1,292.8	1,063.0	223.8-	18-	246.7-	19-	03
STINGER MISSILE SYSTEM (APP. V. P. 93)	07/72	473.8	07/72	473.8	1,545.9	1,173.1	249	403.1	17	

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APPENDIX II

ESTIMATE COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1975
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE			CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL	AMOUNT	%	AMOUNT	%
DEPARTMENT OF DEFENSE: (CONT.)										
DEPARTMENT OF THE ARMY: (CONT.)										
SYSTEMS: (CONT.)										
TACTICAL FIRE DIRECTION SYSTEM (APP. V, P. 93)	11/67	123.5	12/57	150.5		333.4	172.9	138	152.2-	51-
TOW-IMP-TOW & TOW-2 MISSILE	01/66	410.4	09/65	727.3		2,058.3	1,331.0	193	633.1	68
VIPER ANTITANK WEAPON	06/75	288.8	09/73	284.8		502.5	219.7	77		01
MM-1 TANK (APP. V, P. 93)	12/72	3,005.4	11/75	4,779.4		13,084.1	9,304.7	174	2,158.5	20
SUB TOTAL		39,665.8		43,592.0		75,001.7	31,403.7		13,382.6	

DEPARTMENT OF THE NAVY:

CONSTRUCTION:

ANNAPOLIS NAVAL ACADEMY, ENGR STUDIES, PHASE 1-3	02/70	27.7	02/70	27.7		30.4	2.7	10	.1-	
BANGOR, WA, TRIDENT SUPT, DRYDOCK PHASE 1 & 2	11/75	79.5	07/77	76.5		55.8	13.7-	14-	4.9-	7-
BANGOR, WA, TRIDENT SUPT, TRNG FACIL INCREMENTS 1 & 2	06/73	30.1	06/73	30.1		35.5	5.4	18	.2	1
BANGOR, WA, TRIDENT SUPT, UTIL & IMPROVE INCREMENT 1	06/73	30.3	06/73	30.3		25.6	4.7-	15-		
BANGOR, WA, TRIDENT SUPT, UTIL & IMPROVE INCREMENT 2	04/74	42.9	04/74	42.9		35.1	7.8-	19-	.4-	1-
BANGOR, WA, TRIDENT SUPT, UTIL & IMPROVE INCREMENT 3	04/75	37.1	06/75	37.1		36.6	.5-	1-	.6-	1-
BETHESDA, MD, NATL NAVAL MED CTR, MODERNIZATION	02/75	100.0	12/75	100.0		113.5	13.5	14	2.3	2

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BETHESDA, MD, UNIFORMED SERVICES UNIV OF HEALTH SCIENCE	01/75	50.0	02/75	50.0	50.0	1.0-	2-	2.0	0
BREMERSON, WA, NAVY REG MED CTR, HOSP	11/79	30.0	11/79	31.0	30.1	0.1			01
BREMERSON, WA, PUSSET SOUND NAVAL SHIPYARD, WATER PLANT	06/80	32.0	09/80	32.0	32.0				01
CAMP LEJUNE, NC, NAVY REG MED CTR HOSP	10/77	51.0	11/77	43.0	47.0	1.0-	3-	0.0	0
DIEGO GARCIA, INDIAN OCEAN NAVY SPT FACIL UP-GRADE	05/80	90.0	04/80	90.0	90.0				01
PATRICK AFB, FL, EAST TEST RANGE, WARE & DRESSING	06/73	31.0	06/73	31.0	30.1	1.0-	3-	0.2-	1-
SAN DIEGO NAVY REG MED CTR	05/80	293.0	09/80	297.0	297.0				01

DATA PROCESSING AND TELECOMMUNICATIONS:

AUTOMATED ENVIRONMENTAL PRE- DICTION SYSTEM (AEPDS) (NSC)	09/80	29.0	09/80	29.0	26.0				01
INTEG AUTOMATED INTEL- LIGENCE PROCESSING SYS (IAIPS) (M20)	09/80	92.0	09/80	92.0	92.0				01
INTEGRATED DISBURSING AND ACCOUNTING	02/76	40.1	09/79	44.0	48.1	3.0	0	6.0	15
INVENTORY CONTROL POINTS	09/80	102.0	09/80	102.0	102.0				
MARINE CORPS ADPE REPL FOR REG AUTOMATED SERVICE CTRS	09/79	29.7	04/79	29.7	29.7				
NAVAL AVIATION LOGISTICS COMMAND MIS	09/80	225.0	09/80	225.0	225.0				01
PERS/PAY ADMIN SPT SOURCE DATA SYS (PASS/SOS) (P35)	05/77	44.0	05/77	44.0	44.0				01
PERS/PAY ADPE ACQUISITION PROJECT (PERSPAY) (P31)	00/80	71.0	09/80	71.0	71.0				01
SHIPBOARD NON-TACTICAL ADP PROG I (SNAP-I)	09/80	93.1	09/80	93.1	93.1				01
SHIPBOARD NON-TACTICAL ADP PROG II (SNAP-II)	09/80	43.7	09/80	43.7	43.7				01

APPENDIX II

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	DATE	AMOUNT	DATE	AMOUNT	CURRENT ESTIMATE NON-FEDERAL SHARE	TOTAL AMOUNT	INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE	YEARLY CHANGE AMOUNT	NOTES
DEPARTMENT OF DEFENSE: (CONT.)									
DEPARTMENT OF THE NAVY: (CONT.)									
DATA PROCESSING AND TELECOMMUNICATIONS:									
STOCKPOINT INTEG LOGISTICS ENVIRON (SPICE)	05/80	35.7	09/80	35.7		35.7			01
STOCKPOINTS MIS	09/79	32.8	09/79	32.8		32.8			
SYSTEMS:									
A-6C (INTRUDER) AIRCRAFT	1970	574.6	1970	574.6		1,617.3	1,042.7	181	48.4- 3-
A-7E (CORSAIR II) AIRCRAFT	06/68	1,455.6	05/68	1,455.6		2,560.2	1,094.6	75	49.2 2
AALC AIR CUSHIONED VEHICLE (RTTIE ONLY)	16/71	163.7	06/71	163.7		159.6	4.1-	3-	4.5- 3-
AD-41 CLASS DESTROYER TENDER	09/73	90.6	09/73	90.6		1,038.7	948.1	1,045	5.8- 1-
ADVANCED ASW TORPEDO	09/80	4,032.8	09/80	4,032.8		4,711.0	578.2	17	678.2 17
ADVANCED SIGNAL PROCESSOR	10/72	388.3	03/78	332.1		701.2	369.1	111	237.2 53
ACGISEPDTIE ONLY)	04/68	388.0	01/73	427.6		534.7	207.1	49	4.1 1
AN/ALQ ADVANCED AIRBORNE PROTECTION SYSTEM (ATAPS)	07/78	1,601.2	07/78	1,601.2		3,282.3	1,681.1	105	1,942.6 145
AN/2800-E SONAR	09/70	429.6	09/73	429.6		1,836.0	1,405.4	327	154.3 10
AN/8000-E (ISPE) SONAR	06/79	401.2	09/79	492.6		495.4	2.8	1	2.8 1
AN/2805-53 IMPROVEMENT	03/80	356.6	03/80	356.6		352.6	4.0-	1-	
AN/SSO-53A OPEAR SONOBUOY	07/65	86.3	04/58	252.3		506.5	244.2	93	19.5 4
AN/ALQ-4(V)	12/76	372.5	12/75	372.5		654.2	281.7	74	155.1 34

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1940
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE	YEARLY CHANGE	NOTES
	DATE	AMOUNT	DATE	AMOUNT			

DEPARTMENT OF DEFENSE: (CONT.)

DEPARTMENT OF THE NAVY: (CONT.)

SYSTEMS: (CONT.)

FLEET SATELLITE COMMUNICATION SYSTEM

01/74	622.4	01/74	822.4	785.4	37.0-	4-	53.0-	7-
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HARM (AGM-AR) MISSILE (APP. V. P. 94)

07/72	208.4	09/78	1,357.0	2,002.8	544.9	47	513.3	44
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HARPOON MISSILE SYSTEM (APP. V. P. 94)

07/70	1,071.4	06/74	1,031.8	2,336.4	1,304.6	124	516.6	28
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HIGH ENERGY LASER (RDT & E ONLY)

05/68	218.3	05/69	218.3	515.0	396.7	182	182.7	16
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INTERMEDIATE WATER DEPTH MINE

09/80	1,149.8	09/80	1,149.8	1,149.8	-	-	-	01
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UTICS

12/77	1,534.2	10/77	1,534.2	2,076.7	1,342.5	88	942.3-	06-
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LAMPS MK-III (SH-50) SHIP SYSTEM (APP. V. P. 94)

09/73	1,315.4	03/78	3,907.6	5,401.1	1,493.5	39	1,332.5	51
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LSO-41 ROCK LANDING SHIP

12/79	1,353.4	12/79	1,353.4	1,596.3	242.9	18	-	01
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LVT-X LANDING VEHICLE EXPERTMENT (POTEE ONLY)

05/80	194.3	09/80	194.3	194.3	-	-	-	01
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MEDIUM RANGE AIR TO SURFACE MISSILE (MRASM)

09/80	4,305.0	09/80	4,305.0	4,305.0	-	-	-	01.04
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MINE COUNTERMEASURE SHIP (MCM)

03/80	756.3	03/80	756.3	1,166.9	410.6	54	-	01
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MK-46 TORPEDO IMPROVEMENT PROGRAM (NEARTIP)

02/75	121.9	02/75	121.9	187.4	65.5	54	691.4-	78-
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MK-48 TORPEDO

03/64	720.5	11/71	1,753.8	1,774.0	23.2	1	59.5	4
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MX-48 TORPEDO ADVANCED CAPABILITY	09/79	1,295.9	09/79	1,295.9	1,372.8	75.3	5	75.3	6	
MOBILE PROTECTED WEAPONS SYSTEM (PWS) (ACTIVE ONLY)	09/80	212.9	09/80	212.9	212.9					01
NAVSTAR GPS	12/73	23.2	12/73	23.2	359.1	339.9	1,015.4	270.3-	42-	01
P-3C (OPTION) AIRCRAFT (APP. V, P. 94)	06/67	1,234.2	06/67	1,234.2	5,927.4	4,633.2	358	442.4	8	
PHALANX CLOSE-IN WEAPON SYSTEM (CDS, V, P. 94)	01/73	558.4	01/73	558.4	1,684.5	1,115.1	133	365.2	15	
PHM SHIP (APP. V, P. 94)	02/73	726.2	02/73	726.2	413.5	312.7-	43-	13.3	7	
PHOENIX (AIM-54A/C) MISSILE (APP. V, P. 94)	10-3	372.8	06/58	535.4	2,021.4	1,443.0	277	235.5	13	03
RAPLOD	10/79	218.0	10/79	218.0	1,557.3	1,339.3	514	1,202.3	407	
SIDEWINDER AIM-9L MISSILE (APP. V, P. 94)	06/71	95.7	06/71	99.7	433.1	333.4	334	87.1	25	04
SOSUS-CAESAR ANTI SUBMARINE DETECTION & TRACKING SYSTEM	03/72	1,434.4	03/72	1,434.0	3,445.6	2,401.4	340	475.3	15	
SPARROW AIM-7F MISSILE (APP. V, P. 94)	05/65	139.8	05/65	453.6	1,653.7	1,097.1	242	71.9	5	04
SSN-588 SUBMARINE (APP. V, P. 94)	02/69	1,058.0	01/71	5,747.5	12,412.5	5,573.1	111	1,335.3	12	
STANDARD ER AND MR MISSILE	10/76	704.9	10/76	734.9	4,445.8	3,778.9	534	1,221.2	17	
STRAT CHOICE STRY COMBAT ENG (SCRC) (RDTE ONLY)	09/80	35.5	09/80	96.5	55.5					01
SUBMARINE ADVANCED COMBAT SYSTEM (SUBACS)	09/80	8,566.0	09/80	8,566.0	4,566.0					01
SURTASS ARRAY SENSOR (APP. V, P. 94)	06/73	19.1	11/74	252.3	593.0	333.7	122	71.3	14	
T-AM(X) MARITIME POSITIONING	01/80	1,310.7	05/80	2,413.2	2,647.0	134.2-	6-			01
T-ARC CABLE SHIP	09/77	139.9	09/79	203.9	332.4	328.5	151			01
TACAMO	10/78	629.1	10/78	529.1	401.1	51.5	10	19.7	3	
TACTAS (APP. V, P. 94)	08/76	601.1	08/76	601.1	1,104.2	522.1	32	239.7	31	

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE	YEARLY CHANGE	NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT			
DEPARTMENT OF DEFENSE: (CONT.)									
DEPARTMENT OF THE NAVY: (CONT.)									
SYSTEMS:									
TOMAHAWK (SLCM) MISSILE (APP. V, P. 94)	1975	2,529.6	01/79	2,422.9		2,429.0	142.3-	729.7	03
TRIDENT SUB/MISSILE SYSTEM (APP. V, P. 94)	12/71	11,286.5	01/74	12,431.1		28,751.3	16,320.2	3,205.9	13
5" GUIDED PROJECTILE (APP. V, P. 94)	1972	109.8	16/77	500.5		354.7	145.8-	181.2-	14-
SUB TOTAL		106,154.2		128,016.6		232,203.9	104,187.3	26,497.1	
OTHER DOD PROGRAMS:									
ASSAULT BREAKER (RODIE ONLY)	09/80	137.0	09/80	137.0		137.0			01
AGENCY TOTAL		232,456.8		286,115.2		436,083.2	149,968.0	42,561.3	05

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NORTHERN IDAHO SUPPORT & LIBBY INTERACTION (31-197)	07/78	29.9	07/79	33.0	38.3	5.3	15	5.3	15	01
SOUTHWEST OREGON SERVICE (91-179)	09/79	50.7	09/80	47.6	47.6					
WESTERN MONTANA TRANSMISSION (91-113)	11/77	145.7	02/78	152.2	177.9	25.7	17	34.3	24	
WNP NO. 2 & 5 INTEGRATING TRANSMISSION, WA (31-198)	07/75	32.4	01/76	43.0	48.4	5.4	11	1.5-	3-	
SUB TOTAL		454.0		559.0	625.9	55.9		59.0		

DEFENSE WASTE MANAGEMENT:

ADOL FACIL. HIGH LEVEL STOR. SAVANNAH RIVER, SC (75-08-A)	12/74	58.8	02/79	52.0	58.0	5.0	14			
ADOL HIGH LEVEL STOR FACIL. RICHLAND, WA (75-08-B)	12/74	55.0	12/75	35.0	35.0					
DEFENSE WASTE PROCESSING FA- CILITY SAVANNAH RIVER, SC (92-2)	09/79	2080.0	06/80	1000.0	1000.0					
HIGH LEVEL STOR & HANDL FACIL. RICHLAND, WA (77-13-E)	12/75	40.0	12/76	40.0	40.0					
HIGH LEVEL STOR & HST FACIL. RICHLAND, WA (78-18-A)	12/75	27.0	12/77	27.0	27.0					
HIGH LEVEL STOR TANKS HGT FACIL. SAVANNAH RIV, SC (77-13-D)	12/75	55.0	08/79	56.0	56.0					
HIGH LEVEL WASTE STORAGE FA- CILITIES, SAVANNAH RIVER, SC (78-12-E)	12/76	42.0	08/79	42.0	40.0	2.0-	5-	2.0-	1-	
SUB TOTAL		3068.0		1452.0	1455.0	4.0		2.0-		

DEPARTMENTAL ADMINISTRATION:

ALTERNATE ENERGY SOURCE, PANTHER PLANT, MARICU, TX (80-0A-05)	1980	45.5	03/83	41.6	45.5					
ENERGY MANAGEMENT MONITORING LOC (91-A-601)	12/76	24.2	12/79	24.2	24.2					
SUB TOTAL		70.8		74.8	74.8					

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1966
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE	NOTES
	DATE	AMOUNT	DATE	AMOUNT	FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%		
DEPARTMENT OF ENERGY: (CONT.)										
FISSION POWER REACTOR DEVELOP:										
CLINTON RIVER BREWER REACTOR GENO PLANT, OAK RIDGE	3/7/69	599.0	08/75	1,950.0	110.7	1,950.0				65
ENERGY TECH ENGR CTR, FACIL NO. 1, SANTA SUSANA, CA (ETEC)	09/79	26.8	09/79	26.8		26.8				77
FAST FLUX TEST FACILITY, RICHLAND, WA (77-33-63)	09/66	75.0	09/75	647.0		547.0				
FUEL & MATL EXAM FACIL, NEOL RICHLAND, WA (COMBINED PROJ) (78-36-F)	12/76	124.3	10/79	170.6		170.6				
FUEL STORAGE FACILITY, RICH- LAND, WA (77-24-3)	08/75	35.0	09/79	50.3		30.3				
SAFETY RESH EXPERIMENT FACIL PHASE I, TREAT UPGRADE, AVL-6 (78-06-C)	12/78	29.2	12/79	29.2		29.2				
SUB TOTAL		909.9		2,653.9	110.7	2,853.9				
FOSSIL ENERGY DEVELOPMENT:										
COMPONENT DEV & INTD, FACIL, BUTTEMT (77-11-3)	12/76	37.0	08/79	37.0		37.0				
CONDOR SOLVENT EXTRACTION PILOT PLANT, BAYTOWN, TX (80-FF-3)	12/76	121.4	12/79	122.6	51.3	122.6			1.6	1
ESBALLATED BED (H-COAL) PILOT PLANT, CATTLETOWNS, KY (80-FF-2)	12/75	145.2	10/79	140.0	38.0	155.4	15.4	11	15.4	11
FUEL CELL DEV & DEMO UNIT, NY (77-FF-1)	06/76	54.1	06/79	69.0	28.0	69.0			.7	1

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HIGH 9TU SYNTH PIPELINE GAS DEMO PLANT (CONCEPTUAL) (75-01-B)	12/75	520.0	05/79	550.0	275.7	550.0	01
LOW/MED 9TU FUEL GAS DEMO PLANT (75-01-C)	12/75	400.0	03/80	766.0	100.0	766.0	
PRESS FLUID BED COMB CYCLE PLT-13MW-PILOT, JORGE, NJ (81-FE-11)	03/75	24.3	03/80	42.5		42.5	
SOLVENT REFINED COAL DEMO PLANT (80-01) (78-02-C)	06/77	625.0	12/79	1,232.0	120.0	1,232.0	06
SOLVENT REFINED COAL DEMO PLANT (80-01) (78-01-B)	06/77	625.0	12/79	1,115.0	554.0	1,115.0	04
SUP TOTAL		2,572.0		4,074.1	1,275.6	4,089.5	

FUSION POWER RESH & DEVELOP:

ELMO FUSION TORUS (EST) PROOF OF PRINCIPLE EXPERIMENT (80-WF-03)	01/79	44.0	05/79	75.0		80.0	7
FUSION MATL IRRADIATION TEST FACIL, RICHLAND, WA (78-JA-2)	06/77	85.0	04/79	105.0		105.0	
LARGE COIL TEST FACIL, GAK PIDGE, TN (80-WF-04)	1-79	25.4	08/79	26.4		26.4	01
MIRROR FUSION TEST FACILITY, LLS, CA (78-01-A)	12/75	94.2	12/79	96.2		96.2	
TOXAMAK FUSION TEST REACTOR, PRINCETON PLASMA LAB, PLAINSBORO, NJ (75-05-A)	01/75	215.0	12/80	294.0		294.0	
SUP TOTAL		454.6		596.6		591.6	

GEOTHERMAL ENERGY:

FIRST 50MW GEOTHERMAL DEMO PLANT, NM (80-01)	12/77	110.0	06/80	110.0	55.0	110.0	
HIGH ENERGY PHYSICS RESEARCH: ENERGY SAVING, FERMI VAL, BATAVIA, IL (79-09-2)	12/77	38.9	01/79	38.9		45.5	01
INTERSECT STOP ACCEL 400 GEV COLLECT VOLT, ENL, NY (78-10-8)	07/77	246.0	03/80	276.8		276.8	

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF ENERGY: (CONT.)											
HIGH ENERGY PHYSICS RESEARCH: (CONT.)											
NATL SUPERCONDUCTING CYCLOTRON LAB MICH ST UNIV, E LANSING (80-35-5)	01/79	30.0	01/79	30.0		30.0					05
TEVATRON PHASE I, FERMI NATL BATAVIA, IL (81-E-210)	01/80	39.5	01/80	39.5		39.5					01
SUB TOTAL		334.4		385.2		392.9	7.7				01
INERTIAL CONFINEMENT SYSTEMS:											
HIGH ENERGY LASER FACILITY (NOVA), LLNL, CA (73-08-A)	12/76	185.0	04/79	196.8		137.0	53.3-	53.3-	30-		03
HIGH ENERGY LASER FACILITY, LASL, NM (75-03-9)	12/73	22.6	02/80	62.5		62.5					
PARTICLE BEAM FUSION ACCEL-II SANDIA LAB, NM (81-D-101)	01/80	39.3	01/80	39.3		29.3					01
SUB TOTAL		245.9		298.6		236.8	59.8-	59.8-			
NAVAL PETROL & SHALE RES PROG:											
NPRI GAS PLANT, UNITY DEV & PIPELINE CONSTR ELKHILLS, CA (77-02-01)	11/78	306.0	06/80	356.2		356.2			35.2	11	
NAVAL REACTOR DEVELOPMENT:											
MOCS & ADOL PROTOTYPE FACIL (81-T-112)	01/80	103.0	01/80	103.0		103.0					01

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NUCLEAR MATERIALS PRODUCTION:

CPA, SAF & SECUR MODS, WASTE
MST & MATL FACIL 91-FLAND, WA
(79-10-E)

04/77 25.0 12/77 40.0 40.0 01

FLUORINEL DISSOL PROCESS &
FUEL REC IMPROVE, ILLINOIS
(77-13-A)

12/75 35.0 11/79 150.0 150.0 01

REMOTE ANAL FACIL UPGRADE &
EXPAND, ID FUEL PROC FACIL
(91-0-131)

01/80 28.5 (1/80) 28.5 24.5 01

RECYCLE PRODUCTION CAPABIL
WAR LOC (41-3-125)

01/80 16.4 01/80 16.4 15.4 01

WASTE CALCINE FACIL (CMEN
PROC PLANT) INEL, ID
(75-01-C)

12/73 20.0 02/79 81.0 81.0 01

SUP TOTAL 140.9 335.9 335.9

SOLAR ENERGY & TECHNOLOGY:

ADV AUTOMOTIVE HEAT ENGINE
SYS DEVELOP

01/79 225.0 01/79 225.0 225.0 01

CENTRAL 10MW RECEIVER SOLAR
POWER PLANT, CA (76-22-B)

07/77 121.5 12/79 139.5 139.5 01

ELECTRIC VEHICLE BATTERY -
NEAR TERM

07/79 90.1 07/79 90.1 90.1 01

OTEC 1 OCEAN TEST FACILITY, CA
(79-01-4)

11/77 38.4 08/79 35.2 40.5 23

SOLAR ENERGY RESEARCH INST
(SERI) (79-01-9)

06/78 30.0 06/79 30.0 30.0 01

WIND TURBINE PROJECT MOD-2
(83-05-20)

12/78 27.3 05/79 27.3 27.3 01

SUP TOTAL 532.1 547.1 47.7 552.4 5.3 7.3

STRATEGIC PETROL RESERVE PROG:

RESERVE-53MMB TERN & PIPE-
LINE CONSTR, LA, TX

01/77 767.0 06/80 1,5518.0 1,555.0 3 27.0 0

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1966
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF ENERGY: (CONT.)											
URANIUM RESOURCES AND ENRICHMENT ACTIVITIES:											
ADOL FACIL ENRICH URANIUM PROD PORTSMOUTH, OH (75-28-G)	12/76	4,460.0	04/80	5,500.0		5,700.0	270.0	4	650.0	12	03
ADVANCED ISOTOPE SEPARATION LAB LIVERMORE, CA (81-T-502)	05/79	29.7	05/79	29.7		29.7					01
CENTRIFUGE FACIL MOOS, OAK RIDGE, TN (78-14-A)	12/75	30.0	06/75	30.0		30.0					
CENTRIFUGE PLANT DEMO FACIL OAK RIDGE, TN (77-59-D)	12/75	60.0	12/75	60.0		60.0					
GASEOUS DIFFUSION PLANTS:											
CASCADE UPGRATING PROGRAM, KY, OH & TN (74-01-G)	12/72	235.0	05/79	422.9		422.9					
ENVIRON PROTECT & SAFETY MOOS PHASE I (81-R-506)	12/79	55.0	12/79	55.0		55.0					01
EXPAND FEED VAPORIZATION & SAMPLING FACIL, OAK RIDGE (77-09-B)	12/75	30.0	06/75	30.0		30.0					
MOTOR SWITCHGEAR UPGRADING (80-06-P5)	12/78	28.5	07/79	28.5		28.5					01
PROCESS EQUIPMENT MOOS, KY, OH & TN (71-01-C)	04/70	497.0	03/80	970.0		970.0			20.0	2-	03
UTILITIES UPGRADING (81-R-501)	12/79	27.0	12/79	27.0		27.0					01
SUB TOTAL		5,302.2		7,153.1		7,353.1	200.0		580.0		

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WEAPONS ACTIVITIES:									
DP SITE PU PROCESS FACILITY, LASL, NM (71-95)	09/70	30.0	05/79	75.0					01
FACILITIES FOR MODERN STRATEGIC BOMB (79-07-0)	12/78	28.0	06/79	35.0					01
IMPROVE STEAM PLANT Y-12, OAK RIDGE, TN (79-17-0)	12/76	18.5	01/79	18.5			9.5	45	01
M-X WARHEAD PRODUCTION FACIL, VAR LOC (81-0-115)	01/80	35.0	01/80	35.0					01
UTILITIES & EQUIP RESTORE, REPLACE & UPGRADE, VAR LOC (89-AC-95)	12/78	69.3	01/90	69.3					01
UTILITIES & EQUIP RESTORE, REPLACE & UPGRADE, VAR LOC (81-0-116)	01/80	115.0	01/89	115.0					01
UTILITIES & EQUIP RESTORE, REPLACE & UPGRADE, VAR LOC (81-0-107)	01/80	31.0	01/89	31.0					01
WASTE ISOLATION PILOT PLANT, DELAWARE GASIN, SE, NM (77-13-F)	09/77	100.0	09/83	100.0					01,07
WEAPONS SAFEGUARDS, VARIOUS LOCATIONS (78-15-0)	12/76	28.0	12/75	28.0					
SUB TOTAL		454.8		506.8			9.5		

WESTERN AREA POWER ADMINISTRATION:

TRANSMISSION FACILITIES:

CENTRAL VALLEY PROJECT	1947	98.1	09/80	98.1			98.1		01
PACIFIC INTERSTATE TRANSMISSION LINES	1954	130.6	09/79	413.6			525.9	124.0	09
PARKER - DAVIS PROJECT	1941	68.8	09/79	81.8			81.7	79.3-	09
PICK SLOAN MISSOURI RIVER GASIN PROJECT	06/72	284.4	09/79	437.8			509.5	35.5	02
UPPER COLORADO RIVER PROJECT	1972	220.3	09/79	275.0			304.0	39.5	02
SUB TOTAL		902.2		1,312.3			1,519.2	179.1	
AGENCY TOTAL		16,845.8		22,046.6			22,547.5	2,031.3	

APPENDIX III

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	

DEPARTMENT OF HEALTH AND HUMAN SERVICES:

NATIONAL INSTITUTES OF HEALTH:

AMBULATORY CARE RESEARCH FA-
CILITY

07/72

53.2

03/77

108.5

108.6

0.1

NATIONAL ENVIRONMENTAL HEALTH
SCIENCES CENTER, NC

02/72

51.0

03/75

59.2

79.8

1.6

2

SUB TOTAL

114.2

177.7

179.4

1.7

SOCIAL SECURITY ADMINISTRATION:

AUTOMATED DATA PROCESSING &
TELECOMMUNICATIONS SYSTEMS

09/79

34.2

09/79

14.3

56.6

22.3

65

AGENCY TOTAL

148.5

212.0

235.0

24.3

22.3

DEPARTMENT OF JUSTICE:

FEDERAL BUREAU OF INVESTIGATION:

AUTOMATED IDENTIFICATION
DIVISION SYSTEM

08/71

55.4

08/71

55.4

IMMIGRATION & NATURALIZATION
SERVICE:

ALLEN DOCUMENTATION, IDENTIFI-
CATION & TELECOMMUNICATION

1973

13.0

01/80

59.5

69.5

2.8

4

AGENCY TOTAL

68.4

124.9

124.9

2.8

DEPARTMENT OF STATE:

CAIRO OFFICE BUILDING

10/79

33.7

09/80

33.7

33.7

01

MOSCOW COMPLEX

06/68

100.0

06/69

100.0

129.3

29

RIVADN COMPLEX

09/60

85.6

09/83

85.6

208.6

31

AGENCY TOTAL

219.3

219.3

208.6

29.3

208.6

31

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DEPARTMENT OF THE ARMY, CORPS OF
ENGINEERS:

BEACH EROSION:

DELAWARE COAST PROTECTION (773000)	1966	8.0	09/79	35.2	15.8	52.4	17.2	49	9.9	10
S. INLET TO ROCKAWAY INLET & JAMAICA BAY, NY (PART I) (5210)	1955	26.0	09/79	52.4	23.4	46.8	5.5-	11-	13.0	38
FIRE ISLAND INLET TO JONES INLET, NY (5800)	1965	16.2	09/79	36.4	19.0	48.0	11.6	32	3.7	8
SUB TOTAL		50.2		124.0	59.2	147.2	23.2		21.5	

FLOOD CONTROL:

ALJIM CREEK LAKE, OH (280)	1953	22.7	09/79	49.8		55.6	5.9	12	.9	1
APPOLEGATE LAKE, OR (440)	1963	14.7	09/79	95.7	.8	102.8	7.1	7	4.7	5
AQUILLA DAM AND LAKE, TX (74785)	1965	23.6	09/79	53.7		58.5	5.2-	8-	15.5	16
ARCADIA LAKE, OK (75012)	1970	24.9	09/79	54.3		79.4	15.1	23		01
ARK-RED RIVER BASINS CHLORIDE CONTROL, KS, OK & TX (75261)	1976	26.0	09/79	38.0		52.0	14.0	17	5.3	11
AUBREY LAKE, TX (74787)	1962	34.1	09/79	284.2		315.7	31.5	11	95.7	38
R. EVERETT JORDA DAM AND LAKE, NC (12413)	1953	25.5	09/79	74.8		127.0	52.2	70	17.0	15
BEAR CREEK LAKE, CO (72295)	1969	32.6	09/79	72.9		62.2	10.7-	15-	.9-	1-
BEECH FORK LAKE, WV (1280)	1962	11.0	09/79	39.0		45.8	15.9	35	7.5	19
BIG SOUTH FORK NATL RIVER & REC AREA NY & TN (75209)	1974	32.9	09/79	186.8		278.0	31.2	49		01
BLADENBOROUGH LAKE, MD AND WV (1770)	1962	51.0	09/79	137.0		172.1	15.1	16	11.1	7
BLUE MARSH LAKE, PA (1780)	1962	15.8	09/79	37.7	8.5	71.5	13.9	24	1.7	2
BLUE RIVER CHANNEL, KANSAS CITY, MO (74991)	1970	43.0	09/79	149.7	23.5	164.6	15.9	11	53.5	48

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1964
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE	YEARLY CHANGE	NOTES			
	DATE	AMOUNT	DATE	AMOUNT				AMOUNT	AMOUNT	
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:										
FLOOD CONTROL: (CONT.)										
BUFFALO EAYOU AND TRIBUTARIES, TX (2151)	1964	64.5	09/79	194.1	86.0	219.7	25.5	13	43.5	25
BURNSVILLE LAKE, WV (2270)	1958	2.7	09/79	42.9		55.3	12.4	29	3.5	7
CASAR CREEK LAKE, OH (2350)	1958	3.6	09/79	37.0		54.0	27.0	73	3.5	6
CANDY LAKE, OK (2432)	1962	4.5	09/79	29.2		32.5	3.4	12		
CATHERINE CREEK LAKE, OK (2191)	1955	7.9	09/79	42.7	.3	50.0	7.5	17	0.9	11
CAVE RUN LAKE, KY (2763)	1935	1.8	09/79	45.8		64.3	39.5	84	3.4	4
CENTRAL AND SOUTHERN FL (2862)	1948	208.1	09/79	1,553.1	717.0	2,098.7	545.5	35	1,197.9	133
CHARTIERS CREEK, PA (3717)	1965	20.3	09/79	39.3	9.1	40.8	1.5	4	1.9	6
CHATFIELD LAKE, CO (3020)	1957	34.2	09/79	84.3	9.2	100.5	15.3	12	2.2	2
CHEMA RIVER LAKES, AK (27238)	1958	111.7	09/79	243.9	11.5	283.6	39.7	15	58.3	26
CLAYTON LAKE, OK (74925)	1962	13.2	09/79	45.6		53.5	7.3	17	3.0	4
CLINTON LAKE, KS (3827)	1962	25.2	09/79	51.2		57.3	3.3	5	.5	1
CLINTON, IA (74947)	1958	10.6	09/79	26.3	4.4	31.0	4.7	18		
COOPER LAKE AND CHANNELS, TX (3822)	1955	9.1	09/79	56.4	.4	97.7	31.3	47	11.3	14
COPAN LAKE, OK (3990)	1962	25.6	09/79	77.9		72.0	5.9	8	4.4	7
CORTE MADRA CREEK, CA (3990)	1962	5.9	09/79	29.1	8.3	27.3	7.2	35	1.5	6
COWANESQUE LAKE, PA (4150)	1958	28.5	09/79	49.1		105.0	15.2	10	3.5	4

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CUCAMONGA CREEK, CA (74500)	1945	34.5	09/73	105.6	18.5	131.8	25.2	25	18.2	15
DADE CO BEACH EROSION CONTROL, FL (74343)	1948	28.6	09/73	98.6	35.0	79.5	12.0	15-	17.8	20
DRY CREEK LAKE, CA (4990)	1 12	42.4	09/73	166.2	.1	274.1	107.9	55	35.0	15
EAST FORK LAKE, OH (5180)	1958	4.5	09/79	41.4		54.8	13.4	32	4.2	9
EAST LYNN LAKE, WV (5190)	1938	3.0	09/73	25.3		34.9	9.5	34		
EAST ST. LOUIS AND VICINITY (544)	1945	3.7	09/73	78.1	18.2	111.5	33.4	45	41.4	50
EL DORADO LAKE, KS (5350)	1945	23.3	09/73	70.9	5.5	85.0	14.1	20	.2	1
EL PASO, TX (5340)	1945	15.6	09/73	47.2	18.0	86.4	39.2	93	17.2	24
ELIZABETH, NJ (5380)	1944	22.2	09/73	41.7	11.8	54.0	12.3	29	3.4	7
ELK CREEK LAKE, OR (5370)	1942	17.5	09/73	88.5		108.0	19.5	22	10.5	11
EVANSVILLE, IN (5690)	1937	2.4	09/73	44.6	7.5	50.8	15.2	35	10.3	22
FALLS LAKE, NC (5090)	1945	18.4	09/73	102.9		151.0	48.1	47	27.0	22
FIRE ISLAND INLET TO MONTAUK PT., NY (5870)	1940	42.5	09/73	207.6	103.1	345.1	138.5	57	158.5	84
FOUR MILE RUN, CITY OF ALEXANDRIA & ARLINGTON COUNTY, VA (75027)	1974	38.6	09/73	62.9	12.3	63.1	.2		.2	
FOUR RIVER BASINS, FL (5190)	1942	39.4	09/73	257.9	133.2	353.2	93.3	35	119.1	40
FREEPORT & VICINITY, TX (5180) (APP. III, P. 82)	1952	5.4	09/73	17.3	12.7	41.5	24.2	140		
GATHRIGHT LAKE, VA (4430) (APP. III, P. 82)	1946	13.0	09/73	32.8		83.0	50.2	133	6.7	0
HILLSDALE LAKE, KS (7540)	1964	9.4	09/73	53.3		51.2	2.1	3-	1.5	3
INDIAN BEND WASH (GILA RIVER BASIN), AZ (22720)	1951	9.0	09/73	28.8	9.8	42.2	13.4	47	4.7	13
KANSAS CITY, KS (874)	1952	21.1	09/73	55.9	7.1	35.4	20.5	37-	.2	1
KEMOE LAKE, KY (4870)	1955	13.0	09/73	45.7		45.8	.1			
LAFARGE LAKE AND CHANNEL IMPROVEMENT, MI (9240)	1952	15.9	09/73	50.7	.5	54.8	19.1	34	5.3	4

APPENDIX II

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASE-LINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASE-LINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:											
FLOOD CONTROL: (CONT.)											
LAKE PONTCHARTRAIN AND VICINITY, LA (9350)	1945	84.8	09/73	524.5	120.0	791.0	256.5	49	320.0	40	
LAKEVIEW LAKE, TX (3921)	1945	31.2	09/73	271.6	5.0	267.9	3.7-	1-	55.3	33	
LAROSE TO GOLDEN MEADOW, LA (HURRICANE CONTROL) (5589)	1960	7.9	09/73	45.1	18.9	74.6	28.7	52	15.9	27	
LAVON LAKE MOD & E FIRM IMPROVEMENTS, TX (3570)	1962	24.1	09/73	49.5	.2	70.4	20.9	42	3.5	5	
LITTLE BLUE RIVER CHANNEL, MO (72277)	1968	5.3	09/73	23.2	3.4	35.1	11.9	51	3.5	11	
LITTLE BLUE RIVER LAKES, MO (72276)	1968	33.9	09/73	134.7		173.0	38.3	28	36.0	24	
LOS ESTEROS LAKE, NM (10380) (APP. III, P. 82)	1964	7.0	09/73	21.2		43.3	22.1	104	1.8	4	
LUKATA LAKE, OK (10090)	1965	12.7	09/73	38.9		43.1	4.2	11	3.2	8	
MANHATO & N. MANHATO, MN (1-523) (APP. III, P. 82)	1966	2.0	09/73	35.2	4.3	97.3	52.1	175	17.4	22	
MCRAFC PARK LAKE, MO (11990)	1938	37.7	09/73	156.6		205.0	48.4	31	15.0	8	
MILL CREEK, OH (74943)	1969	42.0	09/73	225.6	33.5	359.5	133.3	59	205.5	134	
MISSOURI RIVER LEVEE SYSTEM (11510)	1944	74.0	09/73	274.2	21.3	298.3	24.1	9	101.5	52	
MORGAN CITY & VIC., LA (11930)	1965	4.4	09/73	22.5	11.5	32.1	9.5	43	2.9	10	

DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)

FL003 CONTROL: (CONT.)

LAKE PONTCHARTRAIN AND VICINITY, LA (9350)

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LAROSE TO GOLDEN MEADOW, LA
(HURRICANE CONTROL) (5589)

LAVON LAKE MOO & E FORD
IMPROVEMENTS, TX (957)

LITTLE BLUE RIVER CHANNEL, MO
(72277)

LITTLE BLUE RIVER LAKES, MO
(72276)

LOS ESTEROS LAKE, NM (10383)
(APP. III, P. 82)

NO - 3801 01V35211

MAVAYATO ? N. MAKAYATO, MN
112523 APP. III. 2. 8.

DRAMATIC PARK LAKE. MC (179

MISSISSIPPI RIVER LEVEE SYSTEM
(66661) OH 7711 CREEK, OH

(11510)

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NEW ORLEANS TO VENICE HURRICANE PROTECTION, LA (12110)	1962	10.7	09/79	112.4	47.0	209.0	95.5	95	50.2	6.
PAINTSVILLE LAKE, KY (13570)	1965	16.5	09/79	49.2		58.1	8.9	18	7.2	14
PARK RIVER, HARTFORD, CT (17337)	1965	31.1	09/79	89.7	1.3	50.1	23.5-	33-	.1	
PATOKA LAKE, IN (13757)	1963	20.4	09/79	54.2	24.5	76.3	22.1	41	2.5-	3-
PHOENIX & VICINITY (INCL NEW RIVER) STAGE 2 (911)	1965	53.7	09/79	451.6	228.0	510.0	49.4	13		01
PORT ARTHUR AND VICINITY, TX (14356)	1962	33.4	09/79	93.3	27.0	89.3	4.0-	4-	2.4	2
PORTUGUES & PUCANA RIVERS, PA (14994)	1970	50.4	09/79	253.6	82.8	364.8	111.2	44	119.9	49
R.O. SAILLEY LAKE, WV (14780)	1962	60.5	09/79	130.0		186.0	56.0	43	2.0	1
RED RIV LEVEE & BANK STABIL DELON DENISON DAM, AR (13050)	1946	9.5	09/79	29.5	1.3	56.4	25.3	91	2.3	5
ROSEAU RIVER, MN (15340)	1965	2.9	09/79	17.2	1.1	28.4	11.2	55		01
SACRAMENTO RIVER BANK PROTECTION, CA (15840)	1960	21.4	09/79	78.1	40.2	135.2	58.1	74	21.3	19
SAGINAW RIVER, MI (11910)	1958	17.9	09/79	92.1	14.0	143.7	51.5	55	58.8	69
SAN ANTONIO CHANNEL IMPROVE- MENT, TX (16100)	1963	23.4	09/79	102.3	150.0	202.4	100.1	98	78.9	54
SAN GABRIEL RIVER, TX (16160)	1962	45.5	09/79	119.4		141.2	21.8	18	10.2	8
SANTA PAULA CREEK & CHANNEL, CA (16350)	1948	2.3	09/79	21.2	3.2	37.8	15.5	78	11.3	43
SAYLOPVILLE LAKE, IA (16510)	1968	44.5	09/79	51.1	2.2	101.0	41.3	59	4.2	4
SKIATOOK LAKE, OK (16530)	1961	22.6	09/79	81.6		109.5	27.3	34	20.4	23
SMITHVILLE LAKE, MO (16980)	1966	21.5	09/79	71.7	.5	89.1	17.4	24	.7	1
SOUTHWESTERN JEFFERSON COUNTY, KY (71529)	1968	21.6	09/79	59.4	9.5	73.4	4.0	5	9.3	15
STONEWALL JACKSON LAKE, WV (17540)	1966	13.2	09/79	147.1		189.0	41.3	19	55.0	52
SWEETWATER RIVER, CA (17650)	1969	9.2	09/79	20.0	15.5	34.7	5.7	21	2.5	4

APPENDIX II

APPENDIX II

ESTIMATED COST DATA COMPARISON FOR MAJOR MILITARY AND CIVIL ACQUISITIONS AT SEPTEMBER 30, 1966 (DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	AMOUNT	DATE	CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE	YEARLY CHANGE AMOUNT	NOTES
				FEDERAL SHARE	NON- FEDERAL			
TALLAHALA CREEK LAKE, MS (1965)	1968	13.6	05/73	52.1		28.4	45	11.2 14
RAYLO'S BAYOU, TX (1969) (APP. ILL. P. 82)	1965	8.9	09/73	49.7	37.5	63.8	128	71.7 172
TAYLORSVILLE LAKE, KY (19610)	1966	21.8	09/73	78.1	13.2	119.2	51	16.2 14
TEXAS CITY AND VICINITY, TX (1914)	1968	8.3	09/73	31.3	16.2	52.8	59	1.8 4
TIGSA-HAMMOND LAKES, PA (1924)	1968	53.5	09/73	180.7		122.7	37	4.5 2
TOMIGREE PIVER AND TROTTERIES, MS AND AL (1931)	1968	21.9	09/73	123.8	17.5	157.0	27	40.7 35
TRONE, PA (22570)	1960	1.5	09/73	58.6	4.1	46.1	19	
WALNUT CREEK, CA (1919)	1968	24.4	09/73	53.8	21.3	98.8	35	15.1 18
WATERLOO, IA (19530)	1965	18.7	09/73	43.7	10.4	53.1	25	3.0 6
WILLAMETTE RIV BASIN RANG PROTECTION, OR (1937) (APP. III, P. 82)	1966	2.4	09/73	12.9	.4	32.3	150	4.7 17
WILLOW CREEK LAKE, OR (17231)	1965	5.7	09/73	35.2		44.9	28	
WINONA, MN (175063)	1971	9.5	09/73	19.0	2.4	32.4	9	
WATERSVILLE LAKE, NY (20310)	1965	20.1	09/73	55.0		65.2	13	
SUP TOTAL		2,563.9		10,518.9	2,244.3	13,921.5	3,402.7	3,456.3

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MISSISSIPPI RIVER AND TRIBUTARIES:											APPENDIX II										
ATCHAFALAYA BASIN, LA (590)	1927	121.1	09/79	1,413.7	9.7	2,379.7	965.0	68	1,190.7	100											01
DAVOU COCORIE & TRIBUTARIES (1091)	1941	5.0	09/79	24.2	.5	32.0	7.3	32													
LOWER RED RIVER SOUTH BANK (1122)	1927	9.0	09/79	41.6		47.2	5.6	13	11.8	33											
MISSISSIPPI RIVER CACHE BASIN (2320)	1949	25.1	09/79	110.9	18.3	144.3	33.4	30	12.1	9											
MISSISSIPPI RIVER CHANNEL IMPROVEMENTS (15249)	1927	469.0	09/79	3,054.5	1.1	4,942.1	1,887.6	52	2,517.0	104											
MISSISSIPPI RIVER LEVEES (11449)	1927	221.0	09/79	1,057.5	53.2	1,566.3	498.9	47	499.0	47											
MISSISSIPPI RIVER ST. FRANCIS BASIN (17320)	1915	88.2	09/79	282.8	1.9	365.9	73.1	26	64.0	22											
MISSISSIPPI RIVER TENSAS BASIN, LA (75053)	1940	31.8	09/79	411.3	.5	590.5	179.2	44	255.0	81											
MISSISSIPPI RIVER W TENN TRIB (00019730)	1947	9.1	09/79	54.7	3.2	96.9	32.2	50	34.8	36											
MISSISSIPPI RIVER YAZOO BASIN (73054)	1935	195.0	09/79	858.6	.9	1,478.9	520.3	72	570.0	83											
OLD RIVER CONTROL, LA (13300) (APP. III, P. 82)	1933	81.0	09/79	158.6		383.0	224.4	141	110.0	40											
TECHE-VERMILION BASINS, LA (WATER SUPPLY) (23211)	1916	5.1	09/79	22.1	4.0	38.6	15.5	75	5.9	18											
SUB TOTAL		1,258.4		7,510.5	93.1	12,055.4	4,544.9														
MULTIPURPOSE PROJECTS INCLUDING POWER:																					
ROWEVILLE SECOND POWERHOUSE, OR AND WA (3583)	1927	120.0	09/79	576.7		652.0	75.3	13	31.0	8											
CHIEF JOSEPH ADDITIONAL UNITS, WA (3203)	1960	57.5	09/79	302.3		359.0	47.7	16	53.0	18											
CLARENCE CANNON DAM, MO (2560)	1962	63.3	09/79	154.9		254.0	89.1	54	13.0	5											

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1954
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	AMOUNT	DATE	BASELINE ESTIMATE AMOUNT	CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE	YEARLY CHANGE	NOTES
					FEDERAL SHARE	TOTAL AMOUNT			
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:									
MULTIPURPOSE PROJECTS INCLUDING POWER:									
CHOPSHAK DAM AND LAKE, ID (8090)	1952	127.2	09/73	252.7		325.3	72.5	29	3.5 1
HARRY S. TRUMAN DAM AND RESERVOIR, MO (8890)	1958	102.0	09/73	313.6		525.0	211.0	57	45.2 10
ICE HARBOR ADDITIONAL UNITS, WA (8100)	1945	29.5	05/73	39.7		35.4	1.3-	8-	.4 1
JOHN DAY LOCK AND DAM, OR AND WA (4480)	1950	379.8	09/73	450.9		515.3	54.4	12	34.4 7
JONES BLUFF LOCK AND DAM, AL (8590)	1945	52.5	09/73	71.2		85.3	13.1	21	2.3 3
LAUREL RIVER LAKE, KY (9550)	1950	21.9	09/73	37.7		60.8	23.1	51	1.7 3
LISBY ADDITIONAL UNITS AND REGULATING DAM, MT (75059)	1950	75.0	09/73	432.0		559.0	127.0	29	293.0 110
LISBY DAM-LAKE COCONAUSA, MT (4750)	1950	239.1	09/73	445.6		490.0	44.4	17	3.0 1
LITTLE GOOSE ADDITIONAL UNITS, WA (72753)	1945	20.0	09/73	52.5		59.4	5.9	13	.3- 1-
LOWER GRANITE LOCK AND DAM, WA (10180)	1945	118.0	09/73	282.9		319.3	36.4	13	12.3 4
LOWER MONUMENTAL ADDITIONAL UNITS, WA (499)	1945	20.0	09/73	52.1		51.8	.3-	1-	.5 1

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LOWER SNAKE RIVER FISH & WILD- LIFE COMPENSATION, OR, WA (1901-)	1976	58.4	09/73	112.9	184.0	71.1	53	89.3	94
MCMARY LOCK AND DAM, OR AND WA (19920)	1945	49.5	09/73	231.7	327.6	35.9	12	.3	
NEW MELONES LAKE, CA (12460)	1962	114.0	09/73	221.4	366.0	144.5	55	20.0	5
NORFOLK LAKE HIGHWAY BRIDGE, AR (19301)	1974	16.0	09/73	32.2	42.1	9.9	31	1.1	2
RICHARD B. RUSSELL DAM & LAKE, GA (18533)	1945	85.0	09/73	311.5	462.0	150.5	40	145.0	44
SPELLBELL PLUFF LAKE, GA (17260)	1963	63.2	05/73	281.2	333.0	51.8	18	40.0	14
TUCKS ISLAND LAKE (RELOCATION OF ROUTE 209 ONLY) (75382)	1952	50.3	03/73	56.7	67.0	.3			
TUCKS ISLAND LAKE, PA, NJ, AND NY (18270)	1942	90.4	09/73	543.0	491.0	52.0-	10-		
WEST POINT LAKE, GA AND AL (19710)	1942	52.9	09/73	89.6	131.9	42.3	47	1.1-	1-
WOLF CREEK DAM & LAKE, KY (20140)	1973	54.0	09/73	88.3	107.0	18.7	21		
SUP TOTAL		2,060.1		5,523.3	6,796.2	1,272.9		809.2	
NAVIGATION:									
ATCHAFALAYA RIVER AND BAYOUS CHENY, BOFUF AND BLACA (34011)	1-58	9.6	09/73	28.8	30.1	1.3	5	1.8	6
ATLANTIC INTRACASTAL WATER- WAY REPL HIGH BRIDGES IN NC (14957)	1959	15.0	09/73	55.0	85.8	30.8	55	42.5	30
BALTIMORE HARBOR AND CHANNELS, MD (870)	1456	32.1	09/73	50.5	62.2	11.7	23	15.8	17
BARBERS POINT DEEP DRAFT HARBOR, OAHU (311)	1455	9.1	09/73	51.6	85.0	23.4	34		
CANNELTON LOCKS AND DAM, IN AND KY (2550)	1450	54.5	09/73	44.9	97.1	17.2	12	.4	

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1960
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
NAVIGATION: (CONT.)											
COOPER RIVER CHARLESTON HARBOR, SC (74354)	1466	35.4	09/73	126.6			162.0	35.4	28	42.1	35
CORPUS CHRISTI SHIP CHANNEL, TX (74411)	1468	21.2	09/73	54.6	19.0		105.0	50.4	92	42.3	58
HAMPTON ROADS, VA (7277)	1465	29.5	09/73	44.4	.9		41.0	3.4	8-	1.0	1
INLAND WATERWAY DEL RIVER TO CHES. BAY, PT II, DE & MD (8230)	1454	95.0	09/73	114.6	.1		126.4	11.9	10	2.3	2
KASKASKIA RIVER, IL (8770)	1462	60.5	09/73	113.3	7.7		137.7	54.4	49	31.3	23
LOCK & DAM 26, MISS RIV, ALTON, IL & MO (932)	1479	794.4	09/73	794.4	4.2		875.2	80.8	10		01
LOS ANGELES-LONG BEACH HARBOR, CA (7508)	1477	16.6	09/73	52.0	17.4		58.4	5.4	10		01
MANTO (SHALLOW BAY) BAY, NC (74968)	1470	11.2	09/73	76.5	7.3		95.4	18.3	25		01
MISS RIV BTWN OHIO & MO RIVS (REGULATING WORKS), IL & MO (11380)	1410	21.0	09/73	143.6			237.0	93.4	65	79.0	50
MISSISSIPPI RIVER GULF OUTLET, LA (11410)	1456	89.4	09/73	522.6	170.0		743.3	220.7	42	185.3	33
MISSISSIPPI RIVER, BATON ROUGE TO GULF (69)	1445	4.2	09/73	97.1			142.0	44.3	45	39.0	18
MISSOURI RIVER, SIOUX CITY TO MOUTH (621)	1445	178.0	09/73	312.5	9.5		439.5	127.0	41	2.4	1

DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS: (CONT.)

NAVIGATION: (CONT.)

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MOBILE HARBOR (THEODORE CHAN- VELL) AL (174948)	1-70	8.9	09/79	69.3	28.7	105.5	35.2	52	20.3	24
NEW YORK HARBOR, COLLECTION & REMOVAL OF DRIFT, NY (174955)	1-74	28.8	09/79	94.4	55.8	110.8	15.4	17	21.3	24
NENSBURGH LOCKS AND DAM, IN AND NY (12540)	1-62	58.5	09/79	88.8	.1	105.1	17.1	19	.4-	
OJACMITA AND BLACK RIVERS, AP AND LA (13470)	1-60	45.0	09/79	156.1	6.6	235.6	73.5	44	20.9	10
OVERTON-RED RIVER WW-LUR 31 MILES, LA (13480)	1-46	44.0	09/79	26.6	.1	27.6	1.0	4	2.4	10
PORT EVERGLADES HARBOR, FL (174931)	1-74	6.9	09/79	29.8	7.1	41.3	11.5	39	7.5	22
RED RIVER EMERGENCY BANK PROTECTION, AR, LA, OK, TX (915) (APP. III, P. 82)	1-66	5.5	09/79	26.4		53.6	27.2	115		01
RED RIVER WATERWAY MISS RIV TO SAREVEPORT (55)	1-68	250.4	09/79	1,4265.2	50.5	1,572.6	407.4	32	453.5	54
SAN DIEGO RIVER AND MISSION BAY, CA (15740)	1-41	15.1	09/79	28.8	17.5	36.7	7.9	27	2.5	8
SAN FRANCISCO BAY TO STACHTON, CA (16630)	1-65	50.9	09/79	237.2	29.0	195.8	41.4-	17-	20.2	12
SMITHLAND LOCKS & DAM, IL, IN, KY (16950)	1-65	90.1	09/79	196.1	.3	279.9	74.9	34	13.0	5
TAMPA HARBOR (MAIN CHANNEL), FL (174951)	1-70	72.1	09/79	155.1	4.1	203.4	38.3	25	33.3	20
TENNESSEE TOMBIGEE WATERWAY, AL AND MS (18070)	1-53	281.8	09/79	1,528.4	173.0	1,963.0	434.5	24	109.0	8
UNIONTOWN LOCKS AND DAM, IN AND NY (12840)	1-48	51.4	09/79	84.2	.1	101.0	15.9	20	.6	1
VERMILION LOCK (REPLACEMENT), LA (479)	1-65	5.1	09/79	30.2	.1	31.8	1.5	5	5.4	22
SUB TOTAL		2,517.8		6,780.8	570.7	8,721.8	1,941.0		1,247.4	
AGENCY TOTAL		8,450.4		30,457.5	3,070.5	41,642.2	11,184.7		10,323.7	

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ESTIMATED COST DATA COMPARISON FOR MAJOR MILITARY AND CIVIL ACQUISITIONS AT SEPTEMBER 30, 1960 (DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (1-2) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	

DEPARTMENT OF THE INTERIOR:

INDIAN HEALTH SERVICES:

BETHEL, AK, REPLACEMENT HOSPITAL

NATIONAL PARK SERVICE:

NATIONAL HISTORIC SITES:

JEFFERSON MEM, MO

SAN JUAN, PR

NATIONAL HISTORICAL PARKS:

C & O CANAL, MD, WV AND DC

COLONIAL, VA

CUMBERLAND GAP, KY, TN & VA

INDEPENDENCE, PA

NATIONAL LAKESHORES:

SLEEPING BEAR DUNES, MI

NATIONAL MONUMENTS:

BADLANDS, SD

NATIONAL PARKS:

310 BEND, TX

CANYONLANDS, UT

GLACIER, MT

31

2.4 5

12.9 32

2.9 8-

2.9 6-

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1.5 3-

.2 1

.5 1

1.2 2

2.3 6-

APPENDIX II

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GRAND CANYON, AZ (APP. III, P. 83)	1957	44.2	1967	44.2	97.4	53.2	120	10.3-	10-
GRAND TETON, WY	1979	47.1	1979	47.1	45.1	20.0-	4-	20.0-	4-
GREAT SMOKY MTS., NC, TN	1967	77.6	1967	117.6	54.2	53.4-	54-	6.0	12
LASSEN VOLCANIC, CA	07/60	28.0	07/60	28.0	34.0	5.0	21	6.0-	16-
MESA VERDE, CO	1979	47.2	1979	47.2	40.9	5.3-	13-	5.3-	13-
MOUNT RAINIER, WA	1967	31.2	1967	31.2	42.4	11.2	35	6.2	17
OLYMPIC, WA	07/79	54.6	09/79	54.6	48.9	15.7-	24-	15.7-	24-
ROCKY MOUNTAIN, CO	1967	33.7	1967	33.7	39.1	5.4	15	1.1-	3-
SEQUOIA & KINGS CANYON, CA	1967	28.2	1967	28.2	54.4	26.2	93	3.9-	7-
SHENANDOAH, VA	1979	35.3	1979	35.3	36.5	1.3	4	1.3	4
STATUE OF LIBERTY, NY	1979	154.2	1979	154.2	31.5	122.6-	80-	122.6-	80-
VOYAGEURS, MINN	1979	118.0	1979	118.0	54.3	53.7-	54-	53.7-	54-
YELLOWSTONE, MT, WY AND ID (APP. III, P. 83)	1967	105.1	1967	105.1	278.8	173.7	155	52.1	23
YOSEMITE, CA (APP. III, P. 83)	1967	34.9	1967	34.9	153.8	118.9	341	13.5	10
NATIONAL RECREATION AREAS:									
BIGHORN CANYON, MT (APP. III, P. 83)	1966	11.8	1969	24.3	54.2	29.3	123	4.2-	7-
GATEWAY, NJ AND NY	1972	92.8	1972	92.8	114.2	21.4	25	5.3-	5-
GOLDEN GATE, CA	1972	58.0	1972	58.0	58.0				
LAKE MEAD, AZ AND NV	1968	32.2	1968	32.2	53.3	21.1	55	2.0-	4-
NATIONAL SCENIC RIVERWAYS:									
OZARK, MO	07/66	25.3	07/65	25.3	25.8	.5	2	1.1-	4-
NATIONAL SEASHORES:									
GULF ISLAND, FL, MS	07/73	34.3	07/73	34.3	45.9	11.5	34	4.3	10
PARKWAYS:									
BLUE RIDGE, VA, NC AND GA	1958	175.5	1968	175.6	259.4	83.9	44	28.7	12

APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE	YEARLY CHANGE	NOTES
	DATE	AMOUNT	DATE	AMOUNT			
DEPARTMENT OF THE INTERIOR: (CONT.)							
NATIONAL PARK SERVICES: (CONT.)							
PARKWAYS: (CONT.)							
FOOTHILLS, TN	1979	109.7	1979	109.7	118.6	8.9	8
S. W. MEMORIAL, VA AND MD	1967	46.0	1967	46.9	51.3	4.4	9
NATCHEZ TRACE, MS, TN AND AL (APP. III, P. 83)	1967	111.6	1967	111.6	357.7	145.1	221
SUB TOTAL		1,942.6		2,085.5	2,623.0	137.5	
WATER & POWER RESOURCES SERVICE:							
BRANTLEY PROJECT, NM (APP. III, P. 83)	1972	45.6	1972	45.6	182.2	135.5	310
CENTRAL ARIZONA PROJECT:							
NAVAJO PARTICIPATION AGREEMENT (POWER PLANT)	1958	115.2	1968	115.2	223.0	113.8	93
WATER DEVELOPMENT (APP. III, P. 83)	1968	717.0	1968	735.6	1,090.6	1,155.0	157
CENTRAL VALLEY:							
AUBURN-FOLSOM SOUTH UNIT (WATER CONTROL), CA (APP. III, P. 83)	1965	425.0	1965	425.0	1,441.3	1,115.3	239
SACRAMENTO RIVER DIVISION (IRRIGATION), CA (APP. III, P. 83)	1950	111.4	1950	111.4	312.2	200.8	190
SAN FELIPE DIVISION, CA (APP. III, P. 83)	1947	92.4	10/67	92.4	267.9	175.5	190

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SAN LUIS UNIT (WATER CONTROL), CA	1960	483.1	1960	483.1	156.7	959.0	475.9	99	133.9-	12-
CHIEF JOSEPH DAM:										
GRANDVILLE-TOMASKET UNIT	61/75	19.4	01/75	39.4		50.1	10.7	27	6.4	15
COLORADO RIVER BASIN SALINITY CONTROL PROJECTS:										
GRAND VALLEY UNIT, CO (APP. III, P. 83)	1975	59.0	1975	59.0		215.6	157.5	257	41.4	24
PARADOX VALLEY UNIT, CO (APP. III, P. 83)	1975	16.0	1975	16.0		73.2	57.2	358	10.6	17
JOINT SOURCE DIVISION, LAS VEGAS WASH UNIT CONSTRUCTION	1975	49.6	1975	50.2		94.7	44.5	89	33.2	54
TITLE I, CONSTRUCTION (APP. III, P. 83)	1974	155.5	1974	157.7		445.7	293.3	143	135.9	31
COLUMBIA BASIN:										
IRRIGATION FACILITIES (APP. III, P. 83)	1935	925.4	1935	925.4	15.3	2,579.2	1,453.8	179	232.7	10
THIRD POWER PLANT	1965	392.0	1965	390.0		630.0	240.0	52	90.0	17
DRAINAGE AND MINOR CONSTRUCTION PROJECTS:										
ALL AMERICAN CANAL SYS. CA	1928	38.5	1947	56.6		54.5	7.3	14		
BOISE PROJECT, PAYETTE DIV	06/76	25.4	06/75	25.4		26.9	1.5	5	.3	1
SILVA, AZ	1947	53.1	1947	53.1		77.8	24.7	47		
KEVORICK, WY	1935	26.4	1935	26.4		35.1	9.7	33	.1	
KLAMATH, CA AND OR (APP. III, P. 84)	1905	4.4	1945	10.5		32.5	22.0	210	.3	1
SAN ANGELO, TX	1957	32.2	1957	32.2		30.1	2.1-	7-		
WASHITA, OK	1956	40.6	1956	40.6		40.5	.1-		9.4	30
WASHOE, CA AND NV (APP. III, P. 84)	1958	52.0	1958	52.0		144.3	92.3	178	15.1	12
FRYINGPAN ARKANSAS PROJECT (WATER CONTROL), CO	1962	170.0	1974	501.0	.9	573.3	72.3	14	40.7	8

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASE-LINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF THE INTERIOR: (CONT.)											
WATER & POWER RESOURCES SERVICE: (CONT.)											
MCSEE CREEK PROJECT, OK	1979	83.2	1979	83.2		105.6	22.4	27	14.3	16	
MOUNTAIN PARK PROJECT (WATER CONTROL), OK	1968	20.0	1968	26.0		39.8	13.8	53	.3	1	
NAVAJO INDIAN IRRIGATION PROJECT, NM (APP. III, P. 84)	1970	205.0	1970	206.0	.2	485.6	279.5	135	98.2	25	
NUECES RIVER PROJECT (WATER CONTROL), TX	01/74	55.0	01/74	65.0	24.2	105.4	40.4	52	12.2	13	
PALMETTO BEND PROJECT (WATER CONTROL CONSTRUCTION), TX	1968	36.8	1968	36.8		69.3	32.5	88	.5	1	
PICK-SLOAN MISSOURI BASIN PROGRAM:											
AINSWORTH, NE	1972	25.4	1972	25.4		25.1	.3-	1-			
BOSTWICK DIVISION, KS AND NE	1972	50.8	1972	50.8		56.9	6.1	12			
FARWELL UNIT, NE	1972	35.4	1972	36.4		38.3	1.9	5	1.0	3	
FRENCHMAN CAMBRIDGE DIVISION, NE	1972	81.6	1972	81.6		82.7	1.1	1			
GLEN ELDER UNIT, KS	1972	57.4	1972	57.4		55.0	1.4-	2-	.1-		
LOWER MARIAS UNIT (TIBER DAM MODIFICATIONS), MT	06/72	38.7	06/72	38.7		47.3	8.5	22	.2		
NARROWS UNIT, CO	1980	68.1	09/80	203.8		203.8					31
NORTH LOUP DIVISION, NE (APP. III, P. 84)	10/72	79.5	10/72	79.5		160.7	81.2	102	22.1	14	

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O'NEILL UNIT, NE

POLLOCK-MERREID UNIT, SD

RIVERVIEW UNIT, WY (APP. III, P. 88)

PICK-SLOAN MISSOURI RIVER
BASIN PROGRAM:GARRISON DIVERSION UNIT, ND
AND SD (APP. III, P. 84)SHOSHONE EXTENSION UNIT,
POLECAT BENCH AREA, WYSAN LUIS VALLEY PROJECT, CO
(APP. III, P. 84)SOUTH NEVADA WATER PROJ
(DRAINAGE), NV (APP. III, P. 84)TETON BASIN, LOWER TETON
DIVISION (WATER CONTROL), IDTJALATIN PROJ (WATER
CONTROL), OR (APP. III, P. 84)UPPER COLORADO RIVER STORAGE
PROJECT:ANIMAS LA PLATA PARTICIPAT-
ING PROJECT, COCENTRAL UTAH PARTICIPATING
PROJECT, BONNEVILLE UNIT,
UT (APP. III, P. 85)CENTRAL UTAH PARTICIPATING
PROJECT, JENSEN UNIT, UT
(APP. III, P. 85)CENTRAL UTAH PARTICIPATING
PROJECT, UPALCO UNIT (APP.
III, P. 85)

APPENDIX II

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O'NEILL UNIT, NE

POLLOCK-MERREID UNIT, SD

RIVERVIEW UNIT, WY (APP. III, P. 88)

PICK-SLOAN MISSOURI RIVER
BASIN PROGRAM:GARRISON DIVERSION UNIT, ND
AND SD (APP. III, P. 84)SHOSHONE EXTENSION UNIT,
POLECAT BENCH AREA, WYSAN LUIS VALLEY PROJECT, CO
(APP. III, P. 84)SOUTH NEVADA WATER PROJ
(DRAINAGE), NV (APP. III, P. 84)TETON BASIN, LOWER TETON
DIVISION (WATER CONTROL), IDTJALATIN PROJ (WATER
CONTROL), OR (APP. III, P. 84)UPPER COLORADO RIVER STORAGE
PROJECT:ANIMAS LA PLATA PARTICIPAT-
ING PROJECT, COCENTRAL UTAH PARTICIPATING
PROJECT, BONNEVILLE UNIT,
UT (APP. III, P. 85)CENTRAL UTAH PARTICIPATING
PROJECT, JENSEN UNIT, UT
(APP. III, P. 85)CENTRAL UTAH PARTICIPATING
PROJECT, UPALCO UNIT (APP.
III, P. 85)

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O'NEILL UNIT, NE

POLLOCK-MERREID UNIT, SD

RIVERVIEW UNIT, WY (APP. III, P. 88)

PICK-SLOAN MISSOURI RIVER
BASIN PROGRAM:GARRISON DIVERSION UNIT, ND
AND SD (APP. III, P. 84)SHOSHONE EXTENSION UNIT,
POLECAT BENCH AREA, WYSAN LUIS VALLEY PROJECT, CO
(APP. III, P. 84)SOUTH NEVADA WATER PROJ
(DRAINAGE), NV (APP. III, P. 84)TETON BASIN, LOWER TETON
DIVISION (WATER CONTROL), IDTJALATIN PROJ (WATER
CONTROL), OR (APP. III, P. 84)UPPER COLORADO RIVER STORAGE
PROJECT:ANIMAS LA PLATA PARTICIPAT-
ING PROJECT, COCENTRAL UTAH PARTICIPATING
PROJECT, BONNEVILLE UNIT,
UT (APP. III, P. 85)CENTRAL UTAH PARTICIPATING
PROJECT, JENSEN UNIT, UT
(APP. III, P. 85)CENTRAL UTAH PARTICIPATING
PROJECT, UPALCO UNIT (APP.
III, P. 85)

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O'NEILL UNIT, NE

POLLOCK-MERREID UNIT, SD

RIVERVIEW UNIT, WY (APP. III, P. 88)

PICK-SLOAN MISSOURI RIVER
BASIN PROGRAM:GARRISON DIVERSION UNIT, ND
AND SD (APP. III, P. 84)SHOSHONE EXTENSION UNIT,
POLECAT BENCH AREA, WYSAN LUIS VALLEY PROJECT, CO
(APP. III, P. 84)SOUTH NEVADA WATER PROJ
(DRAINAGE), NV (APP. III, P. 84)TETON BASIN, LOWER TETON
DIVISION (WATER CONTROL), IDTJALATIN PROJ (WATER
CONTROL), OR (APP. III, P. 84)UPPER COLORADO RIVER STORAGE
PROJECT:ANIMAS LA PLATA PARTICIPAT-
ING PROJECT, COCENTRAL UTAH PARTICIPATING
PROJECT, BONNEVILLE UNIT,
UT (APP. III, P. 85)CENTRAL UTAH PARTICIPATING
PROJECT, JENSEN UNIT, UT
(APP. III, P. 85)CENTRAL UTAH PARTICIPATING
PROJECT, UPALCO UNIT (APP.
III, P. 85)

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE	NOTES		
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT				
DEPARTMENT OF THE INTERIOR: (CONT.)										
WATER & POWER RESOURCES SERVICE: (CONT.)										
UPPER COLORADO RIVER STORAGE PROJECT: (CONT.)										
CENTRAL UTAH PROJECT, RECREATION FISH & WILDLIFE FOR BONNEVILLE (APP. III, P. 85)	1972	20.0	1972	20.0		115.7	95.7	47.9	20.8	22
DALLAS CREEK PARTICIP PROJ, CO	1968	40.8	1968	40.8		46.9	26.1	54	9.6	17
COLORES PARTICIP PROJ, CO (APP. III, P. 85)	1968	53.0	1968	53.0		312.2	59.2	489	78.0	33
LYMAN PARTICIP PROJ, UT-WY (APP. III, P. 85)	1972	15.4	1972	15.4		32.8	17.4	113	.3	3
SAN JUAN-CHAMA PARTICIP PROJ	1962	85.8	1962	85.8		100.6	14.8	17	3.5	4
SUB TOTAL		6,275.3		7,059.9	236.8	16,222.8	3,162.3		1,816.2	
AGENCY TOTAL		8,251.9		9,175.8	236.8	18,878.6	3,702.8		1,753.1	
DEPARTMENT OF THE TREASURY:										
INTERNAL REVENUE SERVICE:										
EQUIPMENT REPLACEMENT AND ENHANCEMENT PROGRAM	03/78	210.0	03/78	210.0		217.6	7.5	4	7.5	4

APPENDIX II

DEPARTMENT OF TRANSPORTATION: FEDERAL AVIATION ADMINISTRATION: FACILITIES AND EQUIPMENT:

AIRPORT SURVEILLANCE RADARS (ASR-6/5/5) REPLACEMENT (APP. III, P. 85)	01/79	154.3	11/79	154.3	440.6	285.3	185	285.3	184	
CATEGORY I ILS FOR SATEL- LITE AIRPORTS	08/77	34.4	06/79	34.4	34.6	2.2	5	2.2	5	
DISCRETE ADDRESS BEACON SYS AUTO TRFC ADVISE & RESOLVE (CAPS/ATARS)	10/79	255.0	03/80	451.0	540.1	79.1	17			01
DUALIZED COMMON DIGITIZERS	04/77	15.1	04/77	16.1	27.7	11.5	72			
FLIGHT SERVICE STATION AUTOMATION	11/75	257.5	11/75	257.5	243.4	14.1-	-	21.0	15	
FRANGIBLE APPROACH LIGHT TOWERS (APP. III, P. 85)	11/74	32.0	08/75	43.0	147.4	104.4	243	54.7	74	
LONG RANGE RADARS (ASR-3 PROGRAM)	08/69	59.4	02/74	80.1	39.0	18.3	24			
LOW LEVEL WIND SHEAR DETEC- TION SYSTEMS	07/78	28.5	07/79	28.5	38.0	9.5	13	9.5	33	
NATL AIRSPACE DATA INTER- CHANGE NETWORK ENHANCEMENT (NADIN)	05/78	36.6	06/79	36.6	63.3	25.7	73			01
REPL TUBE TYPE COMMUNICA- TION TRANS/RECVRS & ANTENNA (APP. III, P. 85)	12/78	37.6	12/79	37.6	82.1	44.5	118			01
UPGRADE AUTOMAT RADAR TERM SYS ARTS III TO ARTS IIIA	09/78	73.4	09/79	73.4	90.9	17.5	24	15.5	21	
VOR/VORTAC REPLACE PROG	06/76	104.0	12/75	104.0	150.7	45.7	45	20.0	15	
GRANTS-IN-AID FOR AIRPORTS: ADAP GRANT ANCHORAGE INTERNATIONAL AIRPORT	05/77	35.0	06/77	35.0	29.4	5.5-	15-	5.5-	15-	

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF TRANSPORTATION: (CONT.)											
FEDERAL AVIATION ADMINISTRATION: (CONT.)											
METRO AIRPORT CONSTRUCTION:											
DULLES ACCESS HIGHWAY EXT TO I-66; SECTION V (APP. III, P. 85)	02/77	19.8	02/77	19.8		46.8	27.0	136			01
RESEARCH AND DEVELOPMENT:											
ADVANCED COMPUTERS											
	02/80	546.5	02/80	546.5		546.5					01
RACON COLLISION AVOIDANCE SYSTEM											
	08/79	37.5	06/79	37.5		56.3	18.8	50	18.8	50	
MICROWAVE LANDING SYSTEM											
	04/72	91.0	04/72	91.0		102.2	11.2	12	10.0	6-	
NEXT GENERATION WEATHER RADAR											
	05/80	42.7	05/80	42.7		42.7					01
VOICE SWITCHING CONTROL SYS (APP. III, P. 45)											
	03/80	24.3	03/80	24.3		51.0	26.7	110			01
SUB TOTAL		1,885.6		2,123.3	1.9	2,834.7	711.4	432.6			

FEDERAL HIGHWAY ADMINISTRATION:

DARVEN GAP HIGHWAY (APP. III,
P. 95)

12/70 150.0 12/70 150.0 125.0 375.0 150

EMERGENCY RELIEF PROGRAM:

CHAUMIN ISLAND BRIDGE REPL
(SP-163)

03/80 32.0 03/80 32.0

4000 CANAL BRIDGE REPL
(SP-104)

06/80 219.0 06/80 219.0 45.3 219.0

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ESTIMATES COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1943
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		DISCOUNT ESTIMATE		INCREASE TO ORIGINAL ESTIMATE		TOTAL AMOUNT	YEARLY CHANGE	NOTE
	DATE	AMOUNT	DATE	AMOUNT	AMOUNT	AMOUNT			
DEPARTMENT OF TRANSPORTATION: (CONT.)									
URBAN MASS TRANSPORTATION: (CONT.)									
MASS TRANSIT GRANTS:									
ALLEGHENY CO. PORT AUTH - EARLY ACTION PROGRAM (CA-03-0012)	06/70	228.6	06/70	228.6	49.3	49.3	0.0	0.0	
ALLEGHENY CO. PORT AUTH - WOODCREST STA CARS & EQUIP (IT-03-0010)	06/75	54.3	06/75	54.3	26.3	26.3	0.0	0.0	
ATLANTA METRO RAPID TRANS DIST - SUBWAY PHASE A (CA-03-0008)	06/73	1,000.0	06/73	1,000.0	255.3	255.3	0.0	0.0	
BALTIMORE RAPID RAIL SYS - MD TRANS DEPT (MD-03-0004)	10/72	535.0	10/72	656.0	138.4	721.5	55.3	13	
CALIF S. RAPID TRANS DIST - PJY PROPERTY & REHAIR BUDG (CA-03-0000)	06/74	35.1	05/74	36.1	3.1	39.7	4.5	13	
CALIF S. RAPID TRANS DIST - IMPROVE BUS SYS (CA-03-0132)	02/78	47.3	02/78	47.3	9.3	47.3	0.0	0	
CHICAGO SO. MASS TRANS DIST RAIL CARS, STA & TERMINUS (IL-03-0023)	01/73	38.3	01/73	38.3	13.4	40.4	2.1	5	
CHICAGO TRANS AUTH - BUJES, RAIL CARS & EQUIP (PHASE II) (IL-03-0000)	06/74	184.7	06/74	184.7	43.0	219.1	33.0	18	
CHICAGO TRANS AUTH - STA REHAIR PROGRAM (IL-03-0052)	05/76	50.0	09/75	50.0	15.0	80.0	20.0	33	

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CHICAGO TRANS AUTH - O'HARE EXT (IL-03-0046)	09/78	150.0	09/79	150.0	55.5	192.5	32.3	22	32.5	22
CHICAGO TRANS AUTH - SJUR- BAN COMPUTER RAIL 4CHAS PRO- GRAM (IL-03-0055)	09/77	59.4	09/77	59.4	6.5	63.4	5.0	9	5.0	9
CHICAGO TRANS AUTH - SJUR- BAN COMPUTER RAIL 4CHAS PRO- GRAM (IL-03-0073)	09/78	25.0	09/80	142.6	29.6	142.6			94.3	195
CHICAGO TRANS AUTH - SYSTEM MOD-PHASE 1 (IL-03-0024)	09/78	132.8	09/79	132.8	49.3	155.5	23.7	18	4.3	
CHICAGO TRANS AUTH - SYSTEM MOD-PHASE 2 (IL-03-0055)	09/78	35.9	09/80	119.1	23.2	119.1			83.2	232
CHICAGO TRANS AUTH - 300 NEW CARS (IL-03-0064)	09/78	78.3	08/80	143.0	28.7	143.0			57.2	67
CLEVELAND RAPID TRANS AUTH IMPROVEMENT PROGRAM (OH-03-0054)	01/77	125.6	09/80	355.3	70.8	355.3			193.2	115
CONN TRANS DEPT - BUY BUSES (CT-03-0016)	02/76	36.9	02/75	36.9	10.2	36.9				
DADF COUNTY-CONSTRUCT RAPID TRANSIT SYSTEM (FL-03-0036)	05/78	632.0	05/73	632.0	126.4	866.8	234.9	37	234.8	37
DENVER REG TRANS DIST - BUS SYSTEM IMPROVEMENT (CO-03-0010)	04/78	58.0	04/78	58.0	11.5	58.0				
ILLINOIS REG TRANS AUTH - COMPUTER CARS & LOCOMOTIVES (IL-03-0049)	03/76	41.8	03/75	41.8	9.7	48.4	5.5	15	8.5	21
MASS BAY TRANS AUTH - POWER SYS MOD (MA-03-0013)	09/78	59.1	09/79	59.1	13.3	59.3	13.2	17	19.2	17
MASS BAY TRANS AUTH - RAPID RAIL CARS & EQUIP (MA-23-0002)	06/75	53.4	06/75	53.4	15.3	76.4	23.0	43		
MASS BAY TRANS AUTH - RCO LIVE BRAINTREE EXT (MA-23-0001)	10/74	28.8	10/74	28.8	11.3	56.7	21.9	37		

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1940
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	DATE	AMOUNT	AMOUNT	AMOUNT	

DEPARTMENT OF TRANSPORTATION: (CONT.)

URBAN MASS TRANSPORTATION ADMINISTRATION: (CONT.)

MASS TRANSIT GRANTS: (CONT.)

MASS BAY TRANS AUTH - RED
LINE-ALEWIFE EXT
(MA-23-0008)

MASS BAY TRANS AUTH - RELO-
DATE ORANGE LINE
(MA-23-0007)

MASS BAY TRANS AUTH - SO
COVE TUNNEL (MA-23-0005)

MASS BAY TRANS AUTH - SO
QUINCY ST & PARK FACIL
(MA-03-0049)

MASS BAY TRANS AUTH -
UPGRADE GREEN LINE
(MA-03-0015)

MASS BAY TRANS AUTH -
VEHICLES FOR GREEN LINE
(MA-03-0022)

WICH SE TRANS AUTH-BUSES &
EQUIP (MT-03-0030)

WISS RIVER BRIDGE AUTH -
FERRIES & TERMINAL
(LA-03-0012)

N JERSEY TRANS DEPT - BUY
BUSES (NJ-03-0015)

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N JERSEY TRANS DEPT - NEW CARS & ELECTRIC SVC NY & LA (CONRAIL) (NJ-03-0016)	03/77	137.5	03/77	137.5	25.7	128.7	8.8-	5-	9.8-	6-
N JERSEY TRANS DEPT - REHAB ERIE LACAMANA RR & BUY RAIL CARS (NJ-03-0014)	12/74	307.4	12/74	307.4	54.2	255.9	50.5-	15-	34.1-	17-
NEW YORK CITY TRANS AUTH - ARCHER AVE SUBWAY (SEC 283) (NY-03-0031)	06/74	257.7	06/74	257.7	119.5	485.8	223.1	83	217.5	41
NEW YORK CITY TRANS AUTH - BUSES & FACIL (NY-03-0001)	06/74	47.3	06/74	47.3	14.2	47.2	41-		41-	
NEW YORK CITY TRANS AUTH - CAPITAL IMPROVEMENTS EXIST ROUTES (NY-03-0093)	03/76	494.8	03/75	404.8	143.7	457.5	52.7	13		
NEW YORK CITY TRANS AUTH - E 53 ST CONST (NY-03-0045)	06/73	754.0	06/73	754.0	300.8	784.0	30.3	4	25.4	3
NEW YORK CITY TRANS AUTH - STATEN ISLAND FERRIES (NY-03-0017)	06/74	28.0	06/74	28.0	5.4	32.0	4.2	14		
NEW YORK METRO - IMPROVE L- ISLAND-PENN CENTRAL RR (NY-03-0085)	11/75	35.0	11/75	35.0	7.4	32.1	2.3-	8-	2.3-	8-
NEW YORK METRO TRANS AUTH - EXTEND & REHAB LONG ISLAND RR (NY-03-0035) (APP. III, p. 65)	02/74	250.0	02/74	250.0	193.5	458.2	609.2	243		
NEW YORK METRO TRANS AUTH - IMPROVE COMMUTER RAIL (NY-03-0095)	05/78	48.3	05/78	48.3	19.1	94.8	45.5	36	34.5	35
NEW YORK TRANS AUTH - RJV SUBWAY CARS (NY-03-0046)	03/72	213.5	03/72	213.5	142.2	215.4	1.3	1	1.3	1
NIAGARA FRONTIER TRANS AUTH - MAIN ST LIGHT RAIL RAPID TRANS (NY-03-0072)	04/78	449.0	04/78	449.0	39.2	449.0				
PENNS ST TRANS AUTH - MC PHASE II (PA-03-0002)	04/76	33.3	04/75	33.3	5.4	32.1	1.2-	4-		
PENNS ST TRANS AUTH - PHILA BUSES & EQUIP (PA-03-0002)	03/72	36.5	03/72	36.5	15.3	52.1	15.5	47		

APPENDIX III

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1963
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	DATE	AMOUNT	DATE	AMOUNT	CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE	YEARLY CHANGE AMOUNT	NOTES
					ORIGINAL ESTIMATE	NON- FEDERAL SHARE			
DATE	AMOUNT	DATE	AMOUNT	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
DEPARTMENT OF TRANSPORTATION: (CONT.)									
URBAN MASS TRANSPORTATION (CONT.)									
ADMINISTRATION: (CONT.)									
MASS TRANSIT GRANTS: (CONT.)									
DEVN SE TRANS AUTH - SYSTEM WICE IMPROVEMENTS (PA-23-0011)	06/74	156.0	06/74	156.0	48.0		240.2	54	55.4 31
PHILA CITY - BROAD ST SUBWAY CARS (PA239(0280060)	06/78	43.4	08/90	79.0	19.0		95.1	20	25.0 36
PHILA CITY - CENTER CITY COMPUTER CONNECTION & STA (PA-93-0013)	06/75	309.0	06/75	309.0	50.0		309.0		103.7 53
PHILA CITY - RELOCATE POR- TION FRANKFORD ELEV STRUCT (PA-93-0036)	10/72	28.9	10/72	28.9	7.7		28.8	.1-	
PHILA CITY - SPEED LINE TO AIRPORT (PA-93-0043)	06/74	44.2	06/74	44.2	15.3		91.3	37.1 84	12.3 18
SAN FRANCISCO - ADAPL VEHIC- LES & SYS IMPROVEMENTS (CA-03-0074)	06/74	50.5	06/74	50.5	11.3		56.3	5.9 11	.1-
SAN FRANCISCO - SUBWAY, SUR- FACE RAIL SYS & FACILITIES (CA-03-0043)	10/71	45.0	10/71	46.0	22.5		84.4	39.4 93	
SAN FRANCISCO BRIDGE TRANS- IST - BUS, FERRY & EQUIP (CA-03-0036)	12/71	51.2	12/71	51.2	15.4		54.3	3.1 6	
SEATTLE METRO BUS PLAN IM- PLEMENTATION (WA-03-0016)	05/74	122.1	05/74	122.1	35.1		175.9	53.8 44	2.7- 2-

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE 1-3 FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)									
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)									
ARIZONA: (CONT.)									
ROGER RD (TUCSON) WWTP	07/79	27.9	07/79	31.6	8.4	33.4	1.8	5	4.8 17
ARKANSAS:									
40T SPRINGS STP	05/73	19.2	09/80	35.9	11.3	47.7	11.8	33	19.5 59
CALIFORNIA:									
ALISO WATER ASSN WWTF	09/79	53.1	09/79	53.1	13.7	54.7	1.5	3	
BAKERSFIELD #2 WWTF	06/79	25.0	05/79	26.0	7.5	27.2	1.2	5	
BAYSIDE SOUTH WWTF	09/78	44.5	09/78	44.5	13.4	53.8	9.3	21	
CHINO BASIN #1 WWTF	10/77	27.8	10/77	27.8	9.2	30.5	2.7	10	
CONTRA COSTA CO CENTRAL WWTF	09/78	73.6	04/80	73.6	18.2	71.9	1.7-	2-	1.7- 2-
CONTRA COSTA COUNTY EAST	11/78	52.5	06/80	52.5	12.4	52.0	.5-	1-	
EAST BAY DISCHARGERS AUTHORITY (AREWIDE FACILITY)	04/78	146.8	04/78	146.8	25.0	110.9	33.3-	24-	33.3- 23-
EAST BAY MUN UTIL WWTF	09/76	45.9	05/73	78.0	21.5	85.1	7.1	9	31.1 58
ENCINA JOINT POWERS WWTF	08/80	47.7	08/80	47.7	11.4	45.4	2.3-	5-	
FAIRFIELD SUISU WWTF	06/73	9.3	08/74	18.6	6.9	27.4	8.9	47	.3 1
FRESNO REGIONAL FACILITY	06/73	18.0	03/74	33.7	9.3	35.4	2.1	6	2.0 7
01.13									

01.13

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HUNSBOLT BAY REGIONAL FACILITY	03/79	13.5	10/75	46.3	11.5	47.2	0.9	2	
LAS VIRGENES TAPIA WUTF	11/79	11.8	11/79	31.8	9.8	39.4	5.5	21	
LOS ANGELES (TERMINAL ISLAND TREATMENT PLANT)	11/75	28.7	09/79	35.8	10.5	42.5	5.7	19	2.7 7
LOS ANGELES HYPERION WUTF	01/80	15.2	01/80	15.2	10.9	28.1	12.3	45	
LOS ANGELES JOINT WUTF	04/78	18.0	08/80	13.9	48.4	195.9	1.0-	1-	53.0 50
LOS ANGELES SAN JOSE CREEK	07/80	32.9	07/80	32.9	7.8	31.3	1.5-	5-	
LOS ANGELES SEPULVEDA WUTF	07/80	89.2	07/80	99.2	22.3	89.2			
MONTEREY PENINSULA WUTF	09/79	48.7	09/79	48.7	13.6	54.3	5.5	11	
ORANGE COUNTY SANITARY DISTRICT #1	08/78	117.8	09/79	170.6	45.7	155.8	13.7-	9-	54.5 53
OAKLAND WTP	02/79	26.6	11/78	24.7	7.0	26.5	1.8	7	
RIVERSIDE CITY WUTF	10/79	25.1	10/79	25.1	7.4	29.6	4.5	18	
SACRAMENTO REG'L CNTY WUTF	04/79	225.1	07/80	374.7	97.4	391.3	15.5	4	17.3 5
SAN DIEGO PT LOMA WUTF	08/80	33.2	08/80	33.2	12.7	34.7	1.5	5	
SAN FRANCISCO N POINT WUTF	07/78	38.4	07/78	38.4	6.9	27.5	10.9-	28-	
SAN FRANCISCO RICHMOND SUNSET WUTF	10/79	112.2	10/79	112.2	33.3	132.1	19.9	18	
SAN FRANCISCO SE WUTF	08/80	375.8	08/80	375.8	55.0	284.2	111.5-	30-	
SAN FRANCISCO SJ WUTF	04/80	190.5	04/80	190.5	51.8	207.0	15.4	3	
SAN JOSE/SANTA CLARA WUTF	06/75	64.2	08/75	41.0	31.5	95.2	4.2	5	24.9 35
SANTA BARBARA WUTF	04/79	29.5	08/80	31.8	8.0	31.9	.1		.2 1
SANTA ROSA W. COLLEGE WUTF	09/77	35.8	09/77	35.8	9.5	38.4	2.5	7	5.3- 14-
STOCKTON REGIONAL WUTF	04/78	16.5	10/78	25.6	11.4	44.7	19.1	75	9.4 27
TAMOP-TRUCKEE WUTF	02/73	28.4	09/78	33.9	8.2	32.3	1.0-	1-	
COLORADO:									
METROPOLITAN DENVER SEWAGE DISPOSAL DISTRICT #1	03/79	70.9	08/79	72.8	30.5	80.4	7.5	10	1.9

APPENDIX II

APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1967
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)									
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)									
CONNECTICUT:									
BRIDGEPORT WEST-SIDE STP	08/77	56.1	08/77	56.1	18.4	60.0	3.9	7	01.1%
GRJON STP	09/77	20.0	09/77	20.2	12.5	27.1	5.9	34	
MATTABASSETT SEWER DISTRICT STP	09/77	21.6	09/80	43.6	20.7	54.8	11.2	26	26.2 92
MERIDEN STP	03/80	48.9	03/80	48.9	14.4	51.2	2.3	5	
METROPOLITAN DISTRICT COM- MISSION-HARTFORD	08/77	34.9	08/77	34.9	14.3	33.3	1.5-	5-	.1-
NEW HAVEN, EAST HAVEN, HAN- DEV-EAST SHORE STP	09/77	53.1	08/80	53.4	17.2	58.9	4.5-	7-	2.0 4
NEW LONDON, WATERFORD STP	02/76	43.9	09/80	49.4	12.8	48.1	1.3-	3-	5.5 13
NORWALK, WILTON STP	09/77	29.0	09/77	29.0	10.7	33.9	4.9	17	1.1 7
NORWICH STP	06/79	30.1	06/79	30.1	9.0	30.9	.9	3	
STRATFORD STP	03/77	33.9	08/79	33.9	12.8	37.6	3.7	11	
WATERBURY, MIDDLEBURY, JAL- COTT WATERFORD STP	09/77	21.3	12/79	21.4	9.0	25.0	3.5	17	.2 1
DELAWARE:									
DOVER-WENT CO REGD STP	09/78	37.0	09/79	30.0	10.9	33.7	3.7	12	.9 2
SUSSEX CO-SO COAST REGD STP	06/76	15.4	06/76	15.4	6.9	26.8	11.4	74	
WILMINGTON-NEW CASTLE CO STP	09/77	56.6	09/77	56.6	16.5	125.0	59.4	98	2.2 2

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DISTRICT OF COLUMBIA:

DC: WSSC, WDF, AIRFAK CO, VA
(BLUE PLAINS)

FLORIDA:

3RD ARD CO REGIONAL STP 06/77 87.7 75/80 87.7 32.1 107.6 19.9 23 2.8- 3-
ST. LAUDERDALE (PORT EVER-
GLADES STP) 03/78 15.9 38/80 18.5 7.8 31.2 12.7 59 3.5 13
HOLLYWOOD (REGIONAL STP) 12/72 26.6 12/72 26.6 6.7 27.3 .7 3
JACKSONVILLE ARL-EAST DIS-
TRICT STP 12/76 38.1 12/75 38.1 12.5 51.8 13.7 35 1.7 3
JACKSONVILLE BUCKMAN ST STP 06/73 64.9 06/73 64.9 43.4 72.2 7.3 11
MIAMI BEACH STP 08/75 23.3 08/75 23.3 7.4 29.7 5.4 27
MIAMI DADE VA KEY STP 06/77 82.0 11/79 58.7 14.9 59.4 .7 1 29.7- 33-
MIAMI-DADE NO DADE STP 09/78 154.3 09/79 154.3 42.5 170.7 16.4 11 7.4 5
MIAMI-DADE SD DADE STP 06/77 97.9 03/80 147.3 3.7 149.6 2.3 2 49.4 49
ORLANDO IRON BRIDGE RD STP 06/77 51.9 08/77 51.9 15.1 58.0 15.1 31
PENSACOLA MAIN ST STP 09/78 55.4 09/79 55.4 15.4 63.1 7.7 14 1.8 3
ST. PETERSBURG NE WTP 06/75 15.5 06/75 16.5 5.5 25.4 9.9 50
ST. PETERSBURG NW WTP 10/78 22.9 09/80 24.8 11.5 44.4 21.5 87 7.8 20
TAMPA (HOOKERS POINT AWT) 06/77 89.3 09/80 91.0 34.2 137.0 45.0 51 1.7 1
WEST PALM BEACH STP 11/75 74.0 11/75 74.0 29.2 75.9 1.9 3
GEORGIA:
ATLANTA-R W CLAYTON STP 06/73 55.0 10/75 55.0 19.7 64.3 2.3 17 1.2 2
ATLANTA-3 RIVERS PROJECT 10/77 74.4 06/79 56.1 13.1 39.4 3.5 9 37.2- 49-
CLAYTON COUNTY (FLINT RIVER
3 & L JACKSON STP) 06/78 39.1 09/80 38.3 12.8 38.3 13.7- 26-
DEKALB COUNTY (SNAP-FINGER
CREEK WTP) 16/76 32.1 16/75 42.2 14.3 43.1 .9 2 .1

APPENDIX II

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON- FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	
HAWAII:									01.13
HONOLULU SAND ISLAND SYS	12/73	59.4	03/79	70.6	25.8	60.7	20.1	28	7.7
HONOLULU WWT	12/73	52.0	08/80	56.4	10.3	41.3	25.1	38-	24.4-
ILLINOIS:									37-
AURORA SANITARY DIS STP	09/78	45.1	09/79	46.1	10.2	44.4	1.7-	4-	
ELYN ELLYN-GLENBARD STP	05/78	45.2	05/78	45.2	10.3	41.1	4.1-	9-	
MSD OF GREATER CHICAGO CALUMET WWT	09/78	183.5	09/79	183.5	50.9	203.2	19.7	11	3.4
MSD OF GREATER CHICAGO JOHN EGAN WWT	08/75	61.8	02/80	67.3	28.4	71.7	4.4	7	6.4
MSD OF GREATER CHICAGO DUMARE WWT	09/77	193.2	05/80	207.1	53.5	214.2	7.1	3	9.0
MSD OF GREATER CHICAGO MSW WWT	09/78	882.5	09/80	915.9	295.1	1,150.9	235.0	24	38.4
NORTH SHORE SANITARY DIS- TRICT (CLAVEY ROAD STP)	04/72	38.5	04/72	39.6	31.5	74.0	35.4	92	
NORTH SHORE SANITARY DIS- TRICT (WAUKESHA STP)	04/72	22.4	04/72	22.4	18.1	39.3	15.9	75	
ROCKFORD SD STP	10/77	57.3	09/80	54.0	13.5	54.1	9.9-	15-	14.1
URBANA + CHAMPAIGN JO NE STP	09/77	37.4	09/77	37.4	10.0	36.8	0.6-	2-	0.3-
WOODBRIDGE WWT	09/80	25.6	09/80	25.6	6.3	26.0	0.4	2	

ENVIRONMENTAL PROTECTION AGENCY:
(CONT.)

CONSTRUCTION GRANTS FOR
WASTEWATER TREATMENT WORKS:
(CONT.)

HAWAII:

HONOLULU SAND ISLAND SYS

HONOLULU WWT

ILLINOIS:

AURORA SANITARY DIS STP

ELYN ELLYN-GLENBARD STP

MSD OF GREATER CHICAGO

CALUMET WWT

MSD OF GREATER CHICAGO JOHN

EGAN WWT

MSD OF GREATER CHICAGO

DUMARE WWT

MSD OF GREATER CHICAGO MSW

WWT

NORTH SHORE SANITARY DIS-

TRICT (CLAVEY ROAD STP)

NORTH SHORE SANITARY DIS-

TRICT (WAUKESHA STP)

ROCKFORD SD STP

URBANA + CHAMPAIGN JO NE STP

WOODBRIDGE WWT

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INDIANA:									
FORT WAYNE-LEO-CLOISVILLE RSD, MEYERVILLE RSD, STP	05/77	20.0	09/80	89.8	24.1	35.0	14.2	14	51.4 120
GRAY CO. INDEPENDENCE HILL CO. MEYERVILLE RSD, STP	04/77	75.5	09/80	106.9	24.7	104.1	1.2	1	36.7 50
INDIANAPOLIS-BELMONT WTE	07/78	174.8	04/81	140.0	13.5	134.2	43.4	24	4 1
INDIANAPOLIS-SOUTHPORT JUTE	07/79	132.4	07/79	152.4	23.4	101.2	51.2	34	
RICHMOND CO WTE	08/79	15.9	09/79	19.9	9.9	19.5	4.4	1	1.7 4
IOWA:									
RED R. RAPIDS	05/78	55.1	05/79	56.1	17.8	71.3	5.2	2	
DAVENPORT	12/79	40.2	12/79	40.2	11.4	47.2	7.2	17	

KENTUCKY:

CAMPBELL-KENTON COUNTIES SOS: OBY CREEK WTE									
04/78	91.3	12/79	91.3	17.3	69.1	12.2	15		11
02/80	13.9	05/81	16.1	2.2	36.8	7	2		
04/78									
11/77	13.4	05/81	1.7	7.8	31.2	5	2		
LOUISVILLE-JEFFERSON COUNTY MSO: ANDERIS FOREMAN WTE									
04/79	52.5	02/79	52.5	11.3	70.7	14.2	35		1
LOUISVILLE-JEFFERSON COUNTY MSO: WEST COUNTY WTE									
01/79	101.2	04/79	80.5	16.1	64.1	15.4	20		

LOUISIANA:

NEW ORLEANS-EAST BANK STP									
05/78	54.7	05/79	54.7	16.0	64.0	3.3	17		2

MAINE:

SARASWORT-LUCAS STP									
01/79	41.6	09/79	41.6	12.2	48.8	7.2	17		

MARYLAND:

PORTLAND WTE									
06/79	47.7	11/79	50.8	13.5	54.0	3.2	5		1
BALTIMORE (PATAPSCO)									
06/78	133.3	09/79	149.9	55.5	202.5	52.7	35		5
BALTIMORE CO BACK RIVER WTE									
09/78	99.4	09/79	91.0	33.9	96.5	5.5	4		24
CHARLES CO MATAMORAN JUTE									
09/77	27.4	05/81	27.9	20.7	47.5	13.5	70		6

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1947
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES	
	DATE	AMOUNT	DATE	AMOUNT	FEDERAL	NON-FEDERAL	TOTAL	AMOUNT	%	AMOUNT		%
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)												
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)												
MARYLAND: (CONT.)												
HOWARD CO-SAVAGE WTP	09/78	52.7	04/80	53.7	15.4		64.7			5.0	11	
ASSOCIATEDWAY	04/77	55.5	10/77	56.3	12.5		53.2	4.9	15	1.3	3	
WISSE-WESTERN BRANCH	09/77	33.1	09/77	33.1	8.9		35.0	2.5	7	1.4	1	
MASSACHUSETTS:												
ATLANTIC WTP	04/77	31.7	04/77	31.7	8.5		31.7					
BOSTON WDC DEER ISLAND STP	05/78	112.1	02/80	116.2	41.0		124.2	8.1	7	9.9	6	
BOSTON WDC NJT ISLAND STP	04/77	33.4	04/80	36.8	14.2		40.6	3.9	10	4.5	13	
ROCKTON STP	06/79	55.5	05/79	56.5	13.4		55.0	0.5	1			
CHARLES RIVER POL CON DIST WEDJAY & FRANKLIN	08/77	34.5	04/79	34.6	7.8		31.0	3.6	10			
FALL RIVER STP	07/79	55.9	07/79	57.5	15.0		59.4	1.9	3	0.5	1	
GREATER LAWRENCE SANITARY DISTRICT WTP	06/77	72.2	06/77	77.3	15.5		51.4	15.9	21	4.5	4	
HAVERHILL GROVELAND WTP	07/77	55.4	07/77	56.4	7.7		30.5	5.9	15	1.2	4	
LEOMINGTON STP	06/79	26.6	06/79	26.7	7.4		24.3	0.4	1			
LOWELL WTP	04/77	100.0	10/79	100.0	25.0		99.3	0.7	1			
LYNN WTP	03/80	55.4	03/80	56.4	14.1		65.4					

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NORTHAMPTON & MILLBURN STP	01/77	10.4	05/73	31.0	4.2	31.1	-1	-1	-1
PALMER, MONSON & LEMINGTON (PALMER WWT)	04/77	25.2	08/77	26.2	5.0	27.6	1.4	5	
SOUTH FORK STP	04/78	70.2	11/73	79.6	25.7	80.3	.7	1	2.5 3
SPRINGFIELD WWT	04/77	86.4	08/73	86.8	21.6	75.3	11.5-	13-	4.1 4
UPPER BLACKSTONE WATER POLLU- TION DISTRICT	04/74	45.4	01/70	58.6	14.2	55.7	4.3-	8-	13.5 12
MICHIGAN:									
BAY CITY STP	08/77	54.2	07/80	59.7	17.5	70.0	10.3	17	1.4 2
BAY CO-LINCOLN STP	12/77	44.5	12/77	48.3	15.4	51.4	13.1	27	.2
CALHOUN COMBATTLE CREEK STP	02/74	47.0	05/70	56.7	21.1	45.8	12.1	24	10.5 55
DETROIT SERVICE AREA	04/74	574.7	03/80	689.5	214.1	575.6	12.9-	2-	15.5 4
ELINT, GENESSE COUNTY WWT	01/74	104.5	01/74	104.5	32.1	128.4	23.9	23	.7 1
GENESSE COUNTY MONTROSE DIS- TRICT STP WWT	08/72	43.4	01/70	43.4	22.5	50.0	4.6	15	1.4 1
GRAND RAPIDS WWT	01/74	51.1	04/80	52.4	13.1	54.3	4.5-	14-	2.3 4
JACKSON COUNTY WWT	01/74	58.4	01/78	44.4	17.5	65.2	1.2-	5-	7.3- 11-
KALAMAZOO WWT	01/80	45.5	05/80	46.5	13.7	47.5	1.0	1	
LANSING WWT	04/73	24.0	04/80	24.6	4.3	15.7	11.1	45	2.7 6
LANSING WWT	04/79	47.2	03/80	47.2	11.4	47.3	-1		
LEVANEE COUNTY-ADRIAN WWT	05/77	22.2	05/80	22.4	8.2	31.8	11.0	44	.1 1
MUSKEGON COUNTY WWT	04/76	15.7	04/75	35.7	7.1	24.5	7.2-	20-	
MUSKEGON COUNTY WWT	04/77	41.2	04/80	50.6	10.4	73.4	23.2	40	4.4- 1-
PALMER, MONSON & LEMINGTON WWT	04/77	47.4	04/77	47.4	13.3	55.5	4.2	17	.3 2
PORTLAND CO-WOODVILLE WWT	03/77	50.2	04/77	51.2	16.4	57.3	7.1	12	.1
PORTLAND COUNTY (RYAN OTTER)	04/77	112.7	04/77	119.7	40.3	141.1	21.4	14	21.4 14
MINNESOTA:									
ALL BY SEA WWT	04/74	14.1	03/73	54.1	7.6	14.2	-1		

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ESTIMATE COST DATA COMPARISON FOR MAJOR MILITARY AND CIVIL ACQUISITION AT 31 MARCH 1970 (DOLLARS IN MILLION)

AGENCY AND PROJECT	ORIGINAL ESTIMATE DATE	BASELINE ESTIMATE AMOUNT	CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE AMOUNT	YEARLY CHANGE AMOUNT	NOTE
			FEDERAL SHARE	NON-FEDERAL SHARE			
ENVIRONMENTAL PROTECTION AGENCY (CONT.)							
WATERWAY PROJECTS (CONT.)							
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)							
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	03/70	51.0	14.0	13.0	5.0	4.0	7
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	04/70	10.0	13.1	13.0	3.0	0.0	2
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	05/70	107.0	117.4	43.0	74.0	24.0	4
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	06/70	105.1	117.4	25.0	107.1	7.0	4
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	07/70	59.7	66.0	59.3	11.0	10.0	52
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	08/70	40.3	40.3	11.0	40.2	5.0	15
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	09/70	107.6	125.8	54.0	128.0	2.0	2
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	10/70	40.0	40.0	29.1	115.2	30.2	45
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	11/70	25.7	17.7	17.0	41.5	15.0	51
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	12/70	16.0	16.0	7.0	31.1	10.7	30
MINNEAPOLIS AREA WATERWAY PROJECTS (CONT.)	13/70	20.0	11.7	3.0	28.6	3.2	13

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OHAWA-PARILLON CREEK WTP	07/74	25.5	07/73	26.3	15.5	42.1	22.3	47	
NEWARK:									
CLARK COUNTY SANITATION DIST WTP	10/75	51.0	10/73	51.0	15.0	54.8	13.8	27	1
DELAWARE WTP	08/78	24.1	09/73	24.1	5.7	27.2	5.1	13	
NEW HAMPSHIRE:									
CONCORD WTP	06/79	34.8	06/73	50.6	13.2	52.5			17.5 53
FRANKLIN-WINDHAM WTP	04/75	55.0	03/80	43.1	15.5	60.8	20.3	4-	2.7
MANCHESTER WTP	00/73	22.4	11/73	24.6	3.4	34.5	7.3	23	2-
NEW JERSEY:									
ATLANTIC CO SA GALLOWAY TWP WJA, COASTAL STP	11/78	74.3	11/73	74.3	24.2	112.2	37.3	51	7-
BORDEN CO CARLISLE SA, E. BOUTHERFORD SA, STP	01/77	43.2	09/73	55.6	12.0	47.0	1.4	1	1.7
DELAWARE CO WJA STP	06/79	30.4	06/80	52.0	13.7	54.7	5.7	3	2.4
ESSEX CO UNION CO, ELIZABETH CITY, JOINT WASTING	07/77	57.5	05/80	54.1	15.7	40.4	4.3	7	1
WING LAURENCE WTP	11/77	19.3	09/80	26.5	5.5	25.5			
GLoucester CO SA STP	03/71	19.0	01/71	19.0	8.2	24.5	15.5	42	
HAMILTON TWP STP	04/79	32.5	04/73	32.8	7.4	29.7	1.1	3-	
WITCOLEX CO, GRANBURY TOWN-SHEDS	08/75	221.8	09/73	189.6	124.3	235.5	43.3	24	2.5-
OCEAN CO CENTRAL STP	09/79	214.6	09/73	295.8	35.4	202.0	3.3	2-	1
OCEAN CO NORTHERN STP	02/76	152.2	05/80	152.3	34.1	152.5	1.2		1
OCEAN CO SOUTHERN STP	04/77	75.2	06/80	82.4	27.3	102.1	25.7	52	7.0
PASSICUM/HOY HILLS TWP	02/77	70.2	02/77	70.2	19.1	75.5	4.3	3	
PASCAIC VALLEY CO, NORTH HALEDOON CTS	09/77	359.2	08/80	440.5	112.4	437.1	3.4	1-	15.4 21

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ESTIMATE COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1981
(DOLLARS IN MILLIONS)

FUND AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE	NOTES
	DATE	AMOUNT	DATE	AMOUNT	FEDERAL SHARE	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT		
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)										
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)										
NEW JERSEY: (CONT.)										
BERKSHIRE, LINCOLN PARK, FAIRFIELD, TWO BRIDGES STP	09/77	54.7	04/77	54.7	18.3		73.3	4.5	13	
BRICKWAY VALLEY REGIONAL SA	04/76	24.6	06/80	25.0	5.7		24.9			2.4 17
ROCK MOUNTAIN REGIONAL SA	01/79	38.8	06/80	39.6	10.5		42.2	2.5	7	.5 1
STONY BROOK REGIONAL SA, ROSELLE, PENNINGTON STP	06/77	44.6	05/80	45.1	11.0		44.8	.3	1	.5 1
SUSSEX CO UPPER MILLKILL	03/76	39.4	09/80	32.3	8.1		32.3			
TRENTON STP	09/79	38.8	09/80	38.9	9.7		38.9			
NEW MEXICO:										
ALBUQUERQUE-SOUTHSIDE PLANT	10/76	49.1	05/80	49.7	24.8		53.2	3.5	7	.9 2
NEW YORK:										
ALBANY COUNTY SD	09/77	80.7	06/73	84.2	41.2		100.7	16.5	20	2.0 2
AMHERST TOWN HD STP	09/77	135.0	09/73	137.0	34.8		139.2	2.2	2	5.3 5
BUFFALO SA, CHEEKTOWAGA, FAYE CO SD STP	09/77	130.1	09/73	113.4	29.2		116.4	3.0	3	157.5- 58-
CHAUTAUQUE LAKE SD STP	09/77	40.4	09/77	40.4	11.3		47.5	7.1	19	
COLUMBIA STP	09/77	31.7	09/73	32.0	9.2		35.1	3.1	10	

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ERIE COUNTY, HAMBOURG, SOUTHWARDS STP	05/78	105.5	12/79	103.5	27.0	107.9	9.4	4	1.8-	2-
SAT-C-MILL-ROCK CO STP (APP. III, P. 97)	12/69	10.9	10/69	17.9	12.8	28.5	17.6	151		
SLEA CREEK STP	05/79	35.8	09/79	36.6	11.1	44.2	7.4	20	7.4	20
LEWISTON, PORTER STP	07/78	25.9	07/78	25.9	5.5	27.4	1.5	6		
NASSAU CO SO #1 STP	09/79	31.2	09/79	31.2	13.7	55.0	23.8	75	23.8	75
NASSAU CO SO #2 STP	05/77	545.0	09/79	545.0	253.3	701.9	155.9	29	3.3-	
NEW YORK (BROWER BAY STP)	06/70	49.3	06/70	49.3	40.1	89.1	39.9	81		
NEW YORK (HUNTS POINT STP)	05/70	43.5	05/70	43.5	30.5	67.9	24.4	55		
NEW YORK (NORTH RIVER STP)	09/77	231.4	09/77	231.4	178.7	399.5	158.2	73		
NEW YORK (OAKWOOD BEACH)	09/77	121.9	09/79	121.9	34.1	136.2	14.3	12	.3	
NEW YORK (PORT RICHMOND STP)	05/70	135.4	06/70	135.4	74.4	155.3	29.3	22		
NEW YORK (RED HOOK)	09/77	190.6	09/79	190.6	49.5	198.1	7.5	4	1.1	1
NEW YORK (ROCKAWAY WCD)	03/71	38.1	03/71	38.1	21.4	47.5	9.4	25		
NEW YORK (WARDS ISLAND STP) (APP. III, P. 97)	01/70	47.8	01/70	47.8	52.3	116.3	58.5	143		
NEW YORK (26TH WARD STP) (APP. III, P. 97)	12/69	31.5	12/69	23.7	29.5	48.1	27.4	132	17.5-	27-
NIAGARA CO SO #1 STP	05/77	96.3	09/77	96.3	27.1	108.4	12.1	13		
NIAGARA FALLS CITY STP	01/73	43.2	03/73	53.2	15.8	63.4	.2		.2	
NORTH TONAWANDA CITY	09/77	23.7	09/77	23.7	9.5	37.8	14.1	59	.5	2
NY GUADRANT PURE W. #1	04/75	38.5	08/75	38.5	21.3	55.9	17.4	45		
ONONDAGA CO-OAK ORCHARD STP	12/76	54.9	09/79	34.9	9.1	36.5	1.6	5	1.5	5
ONONDAGA COUNTY (ALBION- VILLAGE-GENEVA KNOLL STP)	04/76	30.9	06/76	30.9	8.3	33.0	2.1	7	2.1	7
ONONDAGA-SYRACUSE METRO STP	03/78	122.4	09/79	122.4	31.1	123.1	.7	1	1.5	1
PUTNAM COUNTY CO. NORTH GREENBUSH SAND LANE	09/77	72.6	04/79	72.6	15.1	60.6	12.0-	17-		

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
NEW YORK: (CONT.)											
ROCHESTER CITY, IRONDEQUOIT BAY PURF RD STP	07/77	228.4	07/77	228.4	123.2	352.9	106.5	44			
ROCKLAND COUNTY SD #1 STP	05/77	29.6	09/80	31.4	14.3	41.0	7.5	23	8.3	11	
SARATOGA COUNTY SD #1 STP	09/77	57.9	09/79	57.9	15.7	62.5	5.3	8	12.7	25	
SUFFOLK CO-SOUTHWEST SD	09/77	391.2	09/77	391.2	253.8	599.5	209.3	53			
TONAWANDA TOWN STP	09/77	90.4	09/77	90.4	21.2	84.7	4.3	5			
WESTCHESTER COUNTY (OSSIN- ING SD STP)	05/77	35.7	09/79	35.7	9.2	37.0	1.3	4			
NORTH CAROLINA:											
CHARLOTTE-MCALPINE STP	06/77	29.4	10/79	32.6	9.4	37.5	4.9	15	5.0	15	
CUNDOCK-ROCKY RIVER STP	12/76	37.4	09/80	37.5	12.5	37.5					
GREENSBORO METRO WWP	09/80	30.0	09/80	30.0	10.3	30.0					
ROCKY MOUNT STP	05/77	21.5	05/77	21.0	9.8	37.4	17.5	80			
OHIO:											
CANTON STP	09/77	40.3	08/77	40.3	10.0	39.8	0.5	1	0.7	2	
CLEVELAND REGIONAL SEWER DISTRICT-EASTERN STP	09/77	47.1	09/79	47.1	11.9	47.4	0.3	1			

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CLEVELAND REGIONAL SEWER DISTRICT-SOUTHERLY STP	06/78	326.1	09/79	322.2	83.9	344.9	22.7	7	19.0	6
CLEVELAND REGIONAL SEWER DISTRICT-WESTERLY STP	04/78	150.4	09/80	150.7	40.4	144.9	35.9-	20-	24.5	20
COLUMBUS-SOUTHERLY WWT	02/77	40.4	02/77	40.4	17.3	45.4	5.0	12	6.2	
HAMILTON CO-LITTLE MIAMI STP	09/77	63.1	09/77	53.1	28.8	115.2	52.1	93		
HAMILTON CO-MILL CREEK STP	06/78	55.1	06/78	56.1	35.9	69.4	13.3	24		
MEDINA COUNTY-SO BAY STP	09/76	48.1	09/75	48.1	9.4	37.7	10.4-	22-	6.2-	1-
MONTGOMERY COUNTY /WESTERN REGIONAL STP	06/75	30.0	05/80	30.1	8.9	35.7	5.5	19	6.3	1
SUMMIT CO-FISHERCREEK STP	09/77	34.8	09/77	34.8	9.3	37.3	2.5	7	6.7	2
SUMMIT CO-SPRINGFIELD STP	12/75	39.3	09/80	102.4	25.1	104.3	1.4	1	53.8	158
TOLEDO-BAY VIEW PARK STP	09/79	50.7	09/80	58.9	14.5	58.6	10.3-	15-	6.7-	1-

OKLAHOMA:

OKLAHOMA CITY DEERCREEK WTP	06/75	21.0	06/75	21.0	8.9	35.7	14.7	70		
OKLAHOMA CITY N CANADIAN WTP	09/77	53.5	09/80	73.0	32.7	100.0	7.0	8	25.5	24

OREGON:

RENO STP	03/79	36.3	05/80	41.6	12.2	45.0	3.4	4	8.3	23
LANE CO (EUGENE METRO) WTP	04/80	28.5	08/80	28.5	7.4	29.6	1.0	3		
PORTLAND-COLUMBIA BLVD STP	04/77	73.0	08/79	72.0	24.5	63.9	3.1-	4-	3.3-	5-
WASHINGTON CO UNIFIED SA DURHAM STP	04/78	36.5	04/78	46.5	11.0	39.5	3.0	8	6.2	1
WASHINGTON CO UNIFIED SA ROCK CREEK WTP	06/77	32.0	05/77	32.0	10.1	35.2	3.2	10		

PENNSYLVANIA:

POUTER AREA SEWER AUTHORITY	05/77	35.8	05/77	36.8	10.4	46.9	9.1	25		
CARLISLE BOROUGH WTP	02/77	24.0	06/77	28.0	8.5	25.3	2.7-	10-		
DELAWARE CO REG WTP	09/77	53.3	09/77	55.3	25.1	57.1	11.8	20	6.7	1
HARRISBURG STP	04/78	24.6	09/75	24.6	7.7	26.1	1.5			

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ESTIMATE, COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1967
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE	DATE	AMOUNT	DATE	AMOUNT	CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE	Y	Y	NOTES
						FEDERAL	NON- FEDERAL				
						AMOUNT	SHARE	AMOUNT	AMOUNT	AMOUNT	
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
PENNSYLVANIA: (CONT.)											
PHILADELPHIA NORTHEAST WTP	16/77	91.0	12/72	204.3	54.9	259.7	50.4	27	133.5	174	
PHILADELPHIA SOUTHEAST WTP	26/78	114.1	09/80	147.0	38.5	154.0	7.0	5	39.9	75	
PHILADELPHIA SOUTHWEST WTP	24/79	130.5	01/80	151.8	52.3	203.1	57.3	33	21.3	11	
PUERTO RICO:											
PRASA (AGUADILLA) (APP. III, P. 87)	04/76	8.8	04/75	7.4	7.4	29.5	22.1	239	.4	1	
PRASA (ARECIBO) (APP. III, P. 97)	05/76	16.4	05/75	14.5	9.4	37.8	21.3	129	4.7	14	
PRASA (BAYAMON)	09/77	83.7	09/77	93.7	21.5	85.9	2.2	3	2.2	3	
PRASA (CAGUAS) (APP. III, P. 97)	06/76	13.0	06/75	13.0	6.7	26.8	13.9	105			
PRASA (CAROLINA)	05/79	73.4	06/80	77.4	20.0	79.9	2.5	3	4.8	6	
PRASA (MAYAGUEZ)	05/75	23.7	08/80	29.5	44.0	54.5	25.1	54	30.5	40	
PRASA (SAN JUAN)	06/76	35.7	06/80	37.8	11.9	46.0	8.2	22	9.2	24	
RHODE ISLAND:											
CRANSTON WTP	16/77	55.6	09/79	52.0	14.9	52.9			13.2	57	
WOONSOCKET, V. SMITHFIELD & BLACKSTONE, MA STP	03/77	38.4	09/77	38.4	9.1	32.8	5.6	15	.1		

ENVIRONMENTAL PROTECTION AGENCY:
(CONT.)

CONSTRUCTION GRANTS FOR
WASTEWATER TREATMENT WORKS:
(CONT.)

PENNSYLVANIA: (CONT.)

PUERTO RICO:

PRASA (AGUADILLA) (APP.
III, P. 87)

PRASA (ARECIBO) (APP. III,
P. 97)

PRASA (BAYAMON)

PRASA (CAGUAS) (APP. III,
P. 97)

PRASA (CAROLINA)

PRASA (MAYAGUEZ)

PRASA (SAN JUAN)

RHODE ISLAND:

CRANSTON WTP

WOONSOCKET, V. SMITHFIELD &
BLACKSTONE, MA STP

APPENDIX 11

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SOUTH CAROLINA:

Aiken-Augusta Horse Creek Regional WTP	06/75	31.7	16/75	51.7	3.5	39.1	7.0	23	
Columbia WTP	10/77	53.0	07/80	56.1	25.9	63.6	7.5	17	12.5
Grand Strand-Conway WTP	12/75	25.0	09/77	25.0	9.0	30.3	6.9	27	
TENNESSEE:									
Chattanooga (McCallin Bend) WTP	09/77	91.5	04/79	91.9	25.1	91.9			
Coxville-Kumake WTP	06/74	51.9	02/73	55.7	15.3	65.2	9.5	17	.1
Memphis-North STP	06/75	59.1	09/80	78.6	31.7	79.6	1.0	1	9.5
Memphis-South STP	06/74	51.6	09/80	51.1	21.9	69.3	1.9	3-	9.5
Nashville-Davidson CO STP	06/78	97.7	06/79	90.7	22.6	82.2	1.5	2	1.0-

TEXAS:

Austin (Walnut Creek STP)	09/71	29.1	09/71	29.1	25.5	56.7	27.5	95	
Brownsville WTP	06/75	14.7	04/80	23.0	7.1	28.1	2.1	8	
Dallas (Central Plant)	06/75	32.8	07/80	39.1	24.2	57.5	18.5	47	7.3
Dallas (South Side Plant)	01/73	29.5	05/75	49.2	9.5	38.5	10.7-	22-	.8
Fort Worth (Village Creek)	08/77	35.1	09/77	95.1	26.3	96.4	3.3	3	.3
Houston (49th Street WTP)	02/77	22.5	08/80	275.0	72.1	295.7	20.7	9	70.0
Texas City WTP	03/75	21.6	09/79	27.8	6.0	25.7	2.1-	8-	
Trinity River Authority - Arlington (Central STP)	06/75	55.0	09/80	59.5	31.0	115.0	55.5	37	4.0

VIRGINIA:

Alexandria Sanitation Authority STP	06/73	72.2	07/75	72.2	25.4	101.5	23.4	41	
Arlington County STP	04/76	55.5	04/75	55.5	19.2	76.2	20.7	37	
Fairfax CO LJM Potomac STP	06/75	66.0	06/75	66.0	20.5	82.0	15.0	24	
Hampton Road-Boat Harbor WTP	04/75	32.3	09/79	32.1	8.5	34.4	2.5	7	
Hampton Roads Atlantic WTP	05/76	42.0	05/79	46.8	15.5	66.0	.9-	1-	20.0

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ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
BY SEPTEMBER 30, 1965
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+/-) FROM BASELINE ESTIMATE		YEARLY CHANGE		NOTES
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%	AMOUNT	%	
ENVIRONMENTAL PROTECTION AGENCY: (CONT.)											
CONSTRUCTION GRANTS FOR WASTEWATER TREATMENT WORKS: (CONT.)											
VIRGINIA: (CONT.)											
HAMPTON ROADS-YORK WWT	11/78	55.5	05/79	25.5	7.0	28.5	2.8	11			01.13
HOPWELL STP	08/75	40.7	08/75	40.7	10.7	41.8	1.1	3	1.1	3	
PRINCE WILLIAM COUNTY (MCDON- EY REGIONAL STP)	01/76	18.9	01/75	15.9	7.7	30.8	11.9	53			
RICHMOND STP	09/78	45.7	09/79	45.7	13.4	48.7	3.0	7			
RIVANNA WATER & SEWER AUTHORITY WWT	09/77	31.9	09/77	31.9	10.0	40.7	4.3	20	2.0	5	
ROANOKE SALEM ROADWORK CO. -STOUT CO STP	09/77	27.5	09/77	27.5	3.5	38.6	11.1	40	0.1		
UPPER JOCOQUAN SA - MANAS- SAS PARK (REGIONAL STP)	03/76	56.1	03/75	56.1	19.1	76.6	20.5	37	2.5	4	
WASHINGTON:											
BARDEEN STP	04/79	28.5	07/80	39.5	11.1	42.1	3.5	5	13.5	47	
JOCQUAN WWT	05/77	15.4	05/80	23.0	8.2	31.4	8.4	37			
CLYMPIA STP	03/76	47.5	01/73	47.5	15.9	66.0	18.5	33	17.2	36	
STEADY CO RES WWT	02/74	55.7	04/80	39.7	7.8	31.1	1.5	5			
BRATTLE BENTON STP	09/77	39.2	09/77	39.2	18.5	39.0	0.2	1	0.1	1	
SEATTLE WEST POINT STP	06/76	75.1	09/77	76.0	33.3	66.6	3.4	12	0.6	1	
DOCKANE STP	09/75	52.9	09/79	52.9	12.0	49.1	4.9	9	0.1		

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TACOMA-CENTRAL STP	05/79	34.3	10.3	33.1	1.2-	1-
YAKIMA STP	04/79	24.8	7.4	24.9	3.1	21
WEST VIRGINIA:						
GREENSBORO CRIGHTON STP (APP. III, P. 97)	05/79	12.7	7.3	25.7	13.0	102
HUNTINGTON WWT	06/78	13.3	7.4	25.7	11.6	45
PARKERSBURG WWT	02/79	14.4	7.0	35.4	.2	1
WISCONSIN:						
APPLETON, GRAND CHUTE STP	06/74	45.2	7.4	21.4	13.8-	31-
GREEN BAY METRO SD WWT	05/71	41.6	31.0	59.9	28.3	54
MADISON-NINE SPRINGS WWT	03/80	25.4	5.5	25.3	.5-	2-
MILWAUKEE JONES ISLAND STP	1974	45.6	45.2	144.0	34.0	31
MILWAUKEE SOUTH SHORE STP	06/79	45.6	17.7	50.2	7.5-	14-
SHEPARDSON STP	06/79	42.1	3.3	34.5	7.5-	1-
SUPERIOR STP	09/74	27.8	7.1	28.5	.7	3
SUB TOTAL	20,005.2	21,181.7	7,321.7	24,942.7	2,751.0	1,211.5
AGENCY TOTAL	20,006.2	21,181.7	7,321.7	24,942.7	2,751.0	1,211.5
GENERAL SERVICES ADMINISTRATION:						
ANCHORAGE - COURTHOUSE, FEDERAL BUILDING & PARKING FACILITY	07/72	71.5	71.5	71.5	11.2-	15-
ATLANTA - RICHARD B. RUSSELL FEDERAL BUILDING & COURTHOUSE	08/66	27.4	77.1	55.9	6.8	12
BALTIMORE - SSA METRO WEST BUILDING	06/74	92.4	92.4	98.0	5.5	5
POSTON - FEDERAL OFFICE BUILDING	04/79	75.2	75.2	75.2		
COLUMBIA - THURMOND FEDERAL BUILDING, COURTHOUSE & PARKING	04/74	26.7	26.7	27.5	.5	2
GLYNCO, GA - FEDERAL LAW ENFORCEMENT TRAINING CENTER	03/75	30.1	30.1	25.8	4.3-	14-

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		DATE	CURRENT ESTIMATE		INCREASE OR DECREASE (-) FROM BASELINE ESTIMATE	YEARLY CHANGE AMOUNT	NOTES
	AMOUNT	DATE		NON- FEDERAL SHARE	TOTAL AMOUNT			
GENERAL SERVICES ADMINISTRATION: (CONT.)								
NEW YORK - FOWLING GREEN CUSTOM- HOUSE ALTERATION & REPAIRS	1/79	29.3	10/79	29.3	29.3			21
NEW YORK - 201 VARIACK FED BLDG ALTERATIONS & REPAIRS	10/76	25.2	07/77	25.2	25.2			
PLANS, PROGRAMS & FIN MGMT:								
LONG RANGE APP ACQUISITION	12/80	140.0	02/80	140.0	140.0			01
SAN JOSE - COURTHOUSE & FEDERAL OFFICE BUILDING	05/77	34.1	02/77	34.1	34.1			
SEATTLE - NATL OCEANIC & ATMOS- SPHERIC ADMIN WESTERN REG'L CTR	03/75	68.2	02/77	83.8	77.5	5.3-	6.3-	8-
WOODLAKE, MD - SSA COMPUTER CENTER BUILDING	09/74	58.7	09/74	58.7	70.9	2.1	3.3-	5-
AGENCY TOTAL		588.8		754.1	740.6	13.5-	5.7-	
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION:								
DYNAMICS EXPLORER	09/79	44.3	09/79	44.3	51.9	7.6		13
EARTH RADIATION BUDGET EXPERIMENT (ERBE)	02/78	85.0	09/78	85.0	95.0	10.0	10.0	01
GALLILEO (FORMERLY JUPITER ORBITER/PROBE)	01/77	309.0	06/79	309.0	611.0	302.0	302.0	48
HIGH ENERGY ASTRONOMY OBSERVATORY	02/74	232.6	10/74	258.9	290.3	31.3	1.0-	1-
INTERNATIONAL SOLAR POLAR MISSION	02/78	292.0	09/79	294.8	443.5	144.7	144.7	50

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INTERNATIONAL CON-STAR-4 EXPLORES	06/74	50.7	10/72	55.7	56.9	1.2	2	
INTERNATIONAL ULTRA-VIOLET EXPLORES	04/71	36.2	04/71	34.2	37.2	2.9	6	
LANDSAT D	05/77	394.0	01/72	355.1	550.0	184.9	51	155.4 51
NATIONAL TRANSDATA FACILITY	01/76	55.0	03/77	30.0	30.0		2-	
VINTUS A	07/73	81.8	07/73	84.6	85.0	1.3-	2-	
PIONEER VENUS	02/74	207.1	12/74	277.1	217.9	3.8	2	1.8- 1-
SOLAR MAXIMUM MISSION	01/76	95.8	04/77	94.3	87.9	13.1-	11-	8.9- 8-
SPACE TELESCOPE	01/77	425.0	02/73	525.0	750.0	225.0	43	195.8 36
SPACE TRANSPORTATION SYSTEM (SPACE SHUTTLE DOT AND E ONLY)	03/72 03/72	54150.0 54150.0	03/72 03/72	54150.0 54150.0	34912.0 44554.0	94752.0 14504.0	92 99	24511.0 44 14224.0 23
TITAN-4	01/72	57.5	02/74	37.6	54.9	2.7-	5-	
VOYAGER (FORMERLY MARINER JU- PIETER-SATURN 1977)	07/72	377.5	05/74	371.2	415.1	43.9	12	
AGENCY TOTAL		74931.8		6932.7	134741.4	54704.7		34430.4
NATIONAL RAILROAD PASSENGER CORPORATION:								
PI-LEVEL COACHES	02/75	187.7	04/73	241.6	249.6	2.2-	1-	2.0- 1-
WPS CONVERSION OF STEAM PASSENGER CARS	04/75	104.8	04/73	104.7	155.3	50.5	44	50.5 44
LOCOMOTIVE ACQUISITION:								
ROAD LOCOMOTIVES	05/79	112.5	04/73	112.5	121.5	9.1	9	9.1 9
LIGHT RAILWAY ELECTRIC (AEM-7)	04/79	142.3	05/73	142.3	152.3	10.0	7	10.0 7
SUB TOTAL		254.8		254.8	273.9	19.1		19.1
METROLINE OVERHAUL	04/74	42.1	04/73	42.1	42.1			
NORTHEAST CORRIDOR FOR MAINT.	04/76	105.1	04/75	105.1	105.1			
RENOVATION OF CHICAGO MAINTENANCE FACILITY (1974 & 1974 STD)	04/79	45.9	04/73	45.9	64.1			

APPENDIX III

APPENDIX 11

ESTIMATED COSTS OF MAJOR MILITARY AND CIVIL ACQUISITIONS
AT FISCAL YEAR 1970
COSTS IN MILLIONS

AGENCY AND PROJECT	ORIGINAL ESTIMATE		BASELINE ESTIMATE		CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		YEARLY CHANGE AMOUNT	NOTE
	DATE	AMOUNT	DATE	AMOUNT	NON-FEDERAL SHARE	TOTAL AMOUNT	AMOUNT	%		
NATIONAL RAILROAD PASSENGER SERVICE CORPORATION:										
SINGLE-LEVEL CAR ACQUISITION - FIRST ORDER	10/79	150.0	01/80	150.8		150.8			70.0	21
AGENCY TOTAL		458.4		945.3		1,056.1				
NATIONAL SCIENCE FOUNDATION:										
VERY LARGE ARRAY RADIO TELESCOPE	1973	75.0	1973	76.0		76.2	2.2	3	0.3-	1-
PENNSYLVANIA AVENUE DEVELOPMENT CORPORATION:										
PENNSYLVANIA AVENUE DEVELOPMENT	09/77	223.0	09/77	223.0		223.0				
SMITHSONIAN INSTITUTION:										
MUSEUM SUPPORT CENTER	11/78	21.5	06/79	21.5		26.5	5.0	23		21
TENNESSEE VALLEY AUTHORITY:										
AIR POLLUTION CONTROL FACILITIES	1973	421.0	06/80	430.0		442.0	8.0	1-	421.5-	33-
ATMOSPHERIC FLUIDIZED BED COMBUSTION (AFBC), PILOT PLANT	04/79	53.4	08/79	53.4		53.4				21
PEARL CREEK WATER CONTROL SYSTEM (APP. III, P. 87)	01/64	15.0	01/65	24.0		68.5	44.5	145	0.3-	1-
BELLEFONTE NUCLEAR PLANT, UNITS 1 & 2 (APP. III, P. 87)	01/71	550.0	01/71	650.0		3,350.0	2,710.0	417	1,3310.0	44
COAL GASIFICATION DEMONSTRATION PROJECT	04/80	2,000.0	04/80	2,000.0		2,000.0				21
COLUMBIA DAM & RESERVOIR (APP. III, P. 87)	01/69	50.0	06/69	50.0		153.0	103.0	205		

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HANFORD NUCLEAR PLANT, UNITS 1-4 (APP. III, P. 87)	01/75	1,425.0	01/75	1,575.0	12,100.0	15,525.0	534	5,540.0	1
MAIN UNIT - FICKLECK DAM, IN. (APP. III, P. 87)	08/76	100.0	08/76	100.0	115.0	65.0	64	11.0	7
PHIPPS BEND NUCLEAR PLANT (APP. III, P. 87)	01/75	1,000.0	01/75	1,500.0	5,095.0	9,495.0	241	3,185.0	1
SAFONOV MT. STORAGE PROJECT, UNITS 1-4 (APP. III, P. 87)	01/75	155.0	01/75	155.0	340.0	185.0	119	13.0	4
SEGOYAH NUCLEAR PLANT, UNITS 1-2 (APP. III, P. 87)	01/69	235.0	01/69	235.0	2,110.0	1,774.0	524	550.0	45
TELLICO DAM AND RESERVOIR (APP. III, P. 87)	01/65	42.5	01/65	42.5	136.9	98.4	222	17.3	15
WATTS BAR NUCLEAR PLANT, UNITS 1 & 2 (APP. III, P. 88)	01/70	500.0	01/70	500.0	2,220.0	1,720.0	344	745.0	51
YELLOW CREEK NUCLEAR PLANT (APP. III, P. 88)	01/75	1,000.0	01/75	1,900.0	5,730.0	3,830.0	252	2,735.0	52
AGENCY TOTAL		9,447.9		14,835.9	35,873.8	25,537.9		14,524.4	
VETERANS ADMINISTRATION:									
AUGUSTA, GA - RELOCATE MED CTR (APP. III, P. 88)	1975	49.0	1975	49.0	43.2	5.9-	12-		
BALTIMORE - REPLACE MED CENTER (APP. III, P. 88)	1971	21.3	1973	36.5	95.5	51.0	154	4.2-	4-
BAY PINTOS FL - REPL MED CENTER (APP. III, P. 88)	1963	19.1	1973	31.4	110.0	79.5	230		
BRONX - REPLACE MEDICAL CENTER (APP. III, P. 88)	1973	55.0	1973	55.0	115.2	53.2	77		
CAMDEN, NJ - REPLACE MED CTR (APP. III, P. 88)	1973	33.7	1973	33.7	75.3	41.5	123		
COLUMBIA, SC - RELOCATE MED CTR (APP. III, P. 88)	1973	26.2	1973	26.2	26.5	.3	1		
COMPENSATION, PENSION & EDUCATION COMPUTER TARGET SYSTEM	07/74	50.3	07/75	81.9	80.2	1.7-	2-	1.7-	2-
DENVER - CLINICAL SUPPORT WING	1970	45.0	1973	45.0	45.5	1.5	8	1.5	8
EAST BRANFORD, NJ - CORRECT & IMPROVE BLDG ENVIRON DIS	1975	16.9	1980	31.7	31.7				
LITTLE ROCK - REPLACE MED CTR	1973	72.6	1973	72.6	114.1	41.5	57	30.0-	21-
LONG BEACH - RELOCATE MED CTR	1973	11.5	1973	11.5	54.9	31.4	14		

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APPENDIX II

ESTIMATED COST DATA COMPARISON
FOR MAJOR MILITARY AND CIVIL ACQUISITIONS
AT SEPTEMBER 30, 1973
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ESTIMATE		DATE	CURRENT ESTIMATE		INCREASE OR DECREASE (+) FROM BASELINE ESTIMATE		NOTES
	AMOUNT	COST		NON-FEDERAL	TOTAL	AMOUNT	AMOUNT	
MILITARY ACQUISITIONS: (CONT.)								
LOS ANGELES - REPLACE MED CTR	1974	33.2	1979	95.2		87.0	8.2-	7-
MARTINSBURG, WV - REPL MED CTR (APP. III, P. 48)	1970	55.5	1973	28.7		74.6	45.9	150
MEMPHIS, TN - 270 ADDN, RENOVATION & SITE RELOCATION	1978	26.7	02/80	21.7		26.7		
MINNEAPOLIS - REPLACE HOSPITAL	4/80	21.4	04/80	21.4		21.4		
NEW ORLEANS - SARAGO CLINIC, RENOVATION & RESEARCH SPACE	1976	57.7	07/80	57.7		57.7		
NORTHPORT, NY - REPL MED CTR	1974	25.0	1974	26.0		25.9	.1-	
OACADOMA CITY - EXPAND CLINIC & RENOVATE AMBULATORY CARE	1973	1.5	1977	30.6		37.7	7.7	25
PALO ALTO (PA) 024 - CIVIC CORP BUILDING	1976	21.7	04/79	21.7		30.2	8.5	30
PORTLAND, OR - REPLACE MED CTR (APP. III, P. 48)	1964	15.3	1973	40.6		141.3	130.7	209
RICHMOND, VA - REPLACE MED CTR (APP. III, P. 48)	1970	44.2	1973	48.2		116.0	67.8	141
SAN ANTONIO - MEDICAL CENTER	1963	15.8	1970	26.6		37.1	12.2	38
SAN DIEGO - RELOCATE MED CENTER	1943	23.6	1968	30.0		40.2	10.2	34
SAN FRANCISCO - REMODEL BLDGS 2, 4 & 20 FOR NEW FUNCTION (APP. III, P. 48)	02/76	13.6	02/76	13.6		27.9	14.3	107
SEATTLE - REPLACE MEDICAL CENTER (APP. III, P. 48)	1973	15.7	1975	23.4		115.9	92.5	336

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TEMPLE, TX - EXPAND CLINIC & RELOCATE SUPPORT FUNCTION	03/80	27.6	03/80	27.6	27.6	01
WEST RIVERVIEW, MA - MODERNIZATION (APP. III, P. 28)	04/72	11.0	04/72	11.0	39.4	01
AGENCY TOTAL		1,009.3		1,023.1	1,911.7	29.2-
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY:						
HANDICAPPED FACILITIES (ELEVATORS) AT SUBWAY STATIONS	08/73	55.0	08/73	55.0	71.2	10
WASHINGTON REGIONAL RAPID RAIL TRANSIT SYSTEM (APP. III, P. 28)	01/69	2,009.6	01/69	2,009.6	8,128.7	15
AGENCY TOTAL		2,059.6		2,059.6	8,199.9	1,296.3
GRAND TOTAL		3,65.839.9		453.776.0	776,547.0	93,375.2

NOTES

1. Yearly changes are omitted because data for these projects cannot be compared to previous years. These projects were not previously reported.
2. This project is jointly developed by National Oceanic and Atmospheric Administration (Weather Service), Department of Defense (Air Force & Navy), and Department of Transportation (Federal Aviation Administration).
3. These changes in estimated costs reflect significant increases or decreases in production quantities, cancellation of production quantities, or the addition of production quantities to the program. Also, major changes of scope are included under this category.
4. Procured by the Departments of the Air Force and Navy.
5. Procured by the Departments of the Air Force, Army, & Navy.
6. A significant number of Department of Energy projects have changed dates and estimates because Energy, in implementing OMB A-109 guidelines, is establishing proper documents for its major acquisitions.
7. An Energy decision was to discontinue these projects; however, the Congress has provided funding for them on an annual basis.
8. Because the baseline (development) estimate has not been made, the current estimate is used as a baseline.
9. Projects were transferred to the Western Power Administration by the Department of the Interior.
10. Department of the Army, Corps of Engineers' projects were adjusted to show inflation through the project's life as now required by OMB. The revised baseline of September 30, 1979, reflects this one-time change. The yearly change column compares the adjusted current estimate with the unadjusted previously reported estimate.

11. A new baseline estimate has been established for these projects.
12. These projects show 100-percent non-Federal share; they are approved by the Congress, and cost of the project is reimbursed to the Treasury by the District of Columbia Government.
13. Environmental Protection Agency projects show only the cost of facility segments in which the agency is participating. The original date shows the first grant awarded. The baseline estimate shows cumulative costs at the time of grant award or grant amendment for phased construction. The baseline date represents the most recent grant transaction. Many baseline estimates have changed since our prior report. The current estimate represents total, current eligible costs of all grants awarded for a facility. The yearly change can represent cost escalation, new grant awards during the year, or a combination of these factors.
14. Support costs, such as construction of facilities, are not included in the acquisition costs.
15. NASA officials state that the current estimate for the Space Transportation System/Space Shuttle design, development, test, and evaluation (DDT&E) should be expressed in the 1971 dollar equivalent--\$6,654 million. The original and baseline estimates are stated in 1971 dollar equivalents. The \$9,912 million current estimate provides for inflation through the 1982 budget year only.

APPENDIX III

ANALYSIS OF CIVIL ACQUISITIONS HAVING
100 PERCENT OR GREATER COST GROWTH
AT SEPTEMBER 30, 1990
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO					CURRENT ESTIMATE
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	
APPALACHIAN REGIONAL COMMISSION:							
APPALACHIAN DEVELOPMENT HIGHWAY	1,150.0	1,625.9	1,903.0			5,659.2	16,108.2
DEPARTMENT OF THE ARMY, CORPS OF ENGINEERS:							
FLOOD CONTROL:							
FREEPORT & VICINITY, TX (5190)	17.3		11.2				41.5
BATHRIGHT LAKE, VA (5430)	32.8		27.3		1.3	.4-	83.2
LOS ESTEROS LAKE, NM (10080)	21.2		3.9			.4	43.5
WANKATO & N. WANKATO, MN (11521)	35.2	21.8	25.8			5.8	97.3
TAYLORS BAYOU, TX (13000)	49.7					9.3	113.3
WILLAMETTE RIV BASIN BANK PROTECTION, OR (19971)	12.9	11.3			.2	1.7	32.3
SUB TOTAL	159.1	33.1	68.2		1.7	15.8	413.2
MISSISSIPPI RIVER AND TRIBUTARIES:							
OLD RIVER CONTROL, LA (13320)	158.5	197.8	5.5-			21.8	393.2
NAVIGATION:							
RED RIVER EMERGENCY BANK PROTECTION, AR, LA, OK, TX (915)	25.4	28.6	2.8-			1.1-	53.6
AGENCY TOTAL	354.1	259.7	59.8		1.7	37.5	647.5

APPENDIX III

APPENDIX III

APPENDIX III

DEPARTMENT OF THE INTERIOR:

NATIONAL PARK SERVICES:

NATIONAL PARKS:

GRAND CANYON, AZ	94.2	17.7	11.5	24.2	.1	37.4
YELLOWSTONE, MT, WY AND ID	105.1		115.8	57.9		278.8
YOSEMITE, CA	34.9	75.5	13.5	24.0	.1	153.9

NATIONAL RECREATION AREAS:

BISHOP'S CANYON, MT	24.3	8.2		21.8	.1-	54.2
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PARKWAYS:

NATCHEZ TRACE, MS, TN AND AL	111.6		157.2	89.1		157.7
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SUB TOTAL

	320.1	101.7	298.0	222.0	.1	641.9
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WATER & POWER RESOURCES SERVICE:

BRANTLEY PROJECT, NH	45.5	38.9	40.1	32.1	3.1	182.2
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CENTRAL ARIZONA PROJECT:

WATER DEVELOPMENT	735.5	2.2	1,235.2	70.2-	2.1	1,690.5
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CENTRAL VALLEY:

AUBURN-FOLSOM SOUTH UNIT (WATER CONTROL), CA	425.0	64.4	18.4-	232.7	90.7	1,441.3
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SACRAMENTO RIVER DIVISION
(IRRIGATION), CA

	111.4	27.5	.7	47.6	.6	312.2
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SAN FELICE DIVISION, CA

	92.4	8.1-		7.2	8.8	257.9
--	------	------	--	-----	-----	-------

COLORADO RIVER BASIN SALINITY
CONTROL PROJECTS:

GRAND VALLEY UNIT, CO	59.0	39.0	95.9	.6	.9	215.5
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PARADOX VALLEY UNIT, CO

	14.0	.9	24.0	31.4		73.2
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TITLE I - CONSTRUCTION

	157.7	10.5	149.7	14.1	9.7	446.7
--	-------	------	-------	------	-----	-------

COLUMBIA BASIN:

	924.4	30.1	1,037.5	423.9	15.5	2,079.0
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IRRIGATION FACILITIES

APPENDIX III

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO				CURRENT ESTIMATE	
		QUANTITY	ENGI- NEERING	SUPPORT	SCHEDULE ECONOMIC		ESTI- MATING
DEPARTMENT OF THE INTERIOR (CONT.)							
WATER & POWER RESOURCES SERVICE (CONT.)							
DRAINAGE AND MINOR CONSTRUCTION PROJECTS:							
KLAMATH, CA AND OR	10.5	13.9		5.5	3.5	1.1	32.5
ASHOE, CA AND NV	52.0	13.2		1.0	74.8	3.8	144.3
NAVAJO INDIAN IRRIGATION PROJECT, NM	205.0		53.0	225.4		.2	485.5
PICK-SLOAN MISSOURI BASIN PROGRAM:							
NORTH LOUP DIVISION, NE	79.5			91.2			160.7
RIVERTON UNIT, WY	12.1			25.8		.1	39.0
PICK-SLOAN MISSOURI RIVER BASIN PROGRAM:							
GARRISON DIVERSION UNIT, ND AND SD	207.0			739.2		12.8	955.0
SAN LUIS VALLEY PROJECT, CO	18.2	1.9	14.5	22.1		.1	56.9
SOUTH NEVADA WATER PROJ (DRAINAGE), NV	41.9	6.2-	3.8	93.1	7.6-	5.5	171.5
TUALATIN PROJ (WATER CONTROL), OR	20.9	1.5		31.2		2.4	55.5

APPENDIX III

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FEDERAL AVIATION ADMINISTRATION:					
FACILITIES AND EQUIPMENT:					
AIRPORT SURVEILLANCE RADARS (ASK-475/5) REPLACEMENT	154.3	70.0	84.3	48.3	440.6
FRANGIBLE APPROACH LIGHT TOWERS	43.0	15.5	31.2	5.5	147.4
REPL TUBE TYPE COMMUNICA- TION TRANS/RECVRS & ANTENNA	37.5	29.0	14.0	14.5	82.1
WEIRD AIRPORT CONSTRUCTION:					
DULLES ACCESS HIGHWAY EXT TO I-426; SECTION V	12.8	7.5	19.4	.1-	45.6
RESEARCH AND DEVELOPMENT:					
VOICE SWITCHING CONTROL SYS	24.3			25.7	51.0
SUB TOTAL	273.2	43.1	134.2	80.5	747.2
		70.0	145.0	14.5	

APPENDIX III

APPENDIX III

ANALYSIS OF CIVIL ACQUISITIONS HAVING
10 PERCENT OR GREATER COST GROWTH
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL AND/OR BASELINE ESTIMATE	COST CHANGE DUE TO					CURRENT ESTIMATE
		QUANTITY	ENGI- NEERING	SUPPLY	SCHEDULE	ECONOMIC	
DEPARTMENT OF TRANSPORTATION: (CONT.)							
FEDERAL HIGHWAY ADMINISTRATION:							
CARLEN GAP HIGHWAY	150.0					225.0	375.0
INTERSTATE HIGHWAY SYSTEM	37,574.0	9,110.0	29,492.0			55,901.0	137,664.0
SUB TOTAL	37,724.0	9,110.0	29,492.0			56,126.0	138,239.0
U.S. COAST GUARD:							
HIGH/MEDIUM ENDURANCE CUTTER REPLACEMENT	318.5	54.1	20.4	52.7	74.5	416.5	991.0
MEDIUM RANGE SURVEILLANCE AIRCRAFT	83.3		34.5	66.3		46.5	363.6
REPLACEMENT HARBOR TUGBOATS	62.0	19.5	.5	.3	18.0	52.1	157.1
SHORT-RANGE RECOVERY HELICOPTERS	172.2		37.5	42.3		60.3	354.1
SUB TOTAL	636.0	72.7	92.9	171.0	92.5	575.5	1,865.5
URBAN MASS TRANSPORTATION ADMINISTRATION:							
MASS TRANSIT GRANTS:							
NEW YORK METRO TRANS. AUTH. - EXTEND & REHAB LONG ISLAND RR (NY-02-0035)	250.0	608.2					858.2
AGENCY TOTAL	38,885.0	9,836.3	29,654.9	171.0	218.5	56,935.3	141,730.7

APPENDIX III

APPENDIX III

ENVIRONMENTAL PROTECTION AGENCY:

CONSTRUCTION GRANTS FOP
WASTEWATER TREATMENT PLANTS:

NEW YORK:

DAVES-CHILLI-OGDEN SD STP
NEW YORK (WARDS ISLAND STP)
NEW YORK (24TH WARD STP)

PUERTO RICO:

PRASA (AGUADILLA)
PRASA (ARECIBO)
PRASA (CAGUAS)

WEST VIRGINIA:

GREENBRIER CRITCHTON STP

SUB TOTAL

AGENCY TOTAL

TENNESSEE VALLEY AUTHORITY:

PEAR CREEK WATER CONTROL SYSTEM

HELLEFONTE NUCLEAR PLANT, UNITS
1 & 2

COLUMBIA DAM & RESERVOIR

HARTSVILLE NUCLEAR PLANT, UNITS
1-4

PHIPPS BEND NUCLEAR PLANT

RACCOON MT. STORAGE PROJECT,
UNITS 1-4SEJOYAH NUCLEAR PLANT, UNITS
1-2

TELLICO DAM AND RESERVOIR

10.9	1.0	13.6	3.0	28.5
47.8	5.9	61.6	.1	115.3
20.7		7.9	15.0	44.1
7.4			22.1	29.5
16.5	1.4	12.0	5.5	37.4
13.0	1.3		13.9	26.9
12.7	1.8	1.3	9.9	25.7
120.0	3.2	96.4	71.3	312.7
129.0	3.2	95.4	71.3	312.7
24.0	6.0	9.0	4.7	59.3
65.0	158.0	325.0	313.0	3060.0
50.0	20.0	5.5	14.0	153.0
14575.0	885.0	1,670.0	1,365.0	12,100.0
14500.0	380.0	720.0	535.0	5,035.0
155.0	9.2	29.9	25.0	340.0
336.0	252.3	248.0	182.5	2,110.0
42.5	14.1	6.9	3.7	155.0

APPENDIX III

APPENDIX III

ANALYSIS OF CIVIL ACQUISITIONS HAVING
1.0 PERCENT OR GREATER COST SLOTTA
AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

AGENCY AND PROJECT	ORIGINAL ANALYSIS BASELINE ESTIMATE	COST CHANGE DUE TO					CURRENT ESTIMATE
		QUANTITY	ENVI- RONMENTAL	SUPPORT	SCHEDULE	ECONOMIC	
TENNESSEE VALLEY AUTHORITY: (CONT.)							
WATTS BAR NUCLEAR PLANT, UNITS 1 & 2	5,000	57.0	129.0		307.0	517.0	2,620.0
YELLOW CREEK NUCLEAR PLANT	1,400.0	165.0	307.9		570.0	1,047.1	5,730.0
AGENCY TOTAL	6,400.0	1,291.0	1,016.9		1,046.3	12,272.9	32,113.0
VETERANS ADMINISTRATION:							
BALTIMORE - REPLACE MED CENTER	30.5	5.0	19.9			33.9	95.0
SAY PINE, FL - REPL MED CENTER	31.4	13.1	41.2			24.2	110.0
CAMDEN, NJ - REPLACE MED CTR	33.7	.2		21.0	1.0	20.0	75.0
MARTINSBURG, WV - REPL MED CTR	20.7	4.3	27.1			22.6	70.0
PORTLAND, OR - REPLACE MED CTR	40.6	45.5	29.9			30.0	101.0
RICHMOND, VA - REPLACE MED CTR	41.2	15.4	10.6			32.7	115.0
SAN FRANCISCO - REMODEL HLDSG 20 & 20 FMS NEW EDITION	13.5	4.4	1.7		1.0	7.0	27.0
SEATTLE - REPLACE MEDICAL CENTER	23.4	57.0				30.7	115.0
WEST ROCKBURY, MA - MODERNIZATION	11.0	15.7				2.7	30.0
AGENCY TOTAL	25.0	154.6	119.0	21.0	.8	208.2	787.0
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY:							
WASHINGTON REGIONAL RAPID RAIL TRANSIT SYSTEM	2,400.0	1,012.0	510.1	74.0	1,065.0	1,016.0	8,128.0
GRAND TOTAL	54,250.0	10,023.0	4,012.0	170.0	5,075.0	42,048.0	205,107.0

APPENDIX IV

APPENDIX IV

ANNUAL COST CHANGES FOR ACTIVE WEAPON SYSTEMS
SHOWN ON SELECTED ACQUISITION REPORTS AT SEPTEMBER 30, 1980
(DOLLARS IN MILLIONS)

SYSTEM	QUANTITY	ANNUAL COST CHANGES				ESTIMATING	SUNDRY	TOTAL
		ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC			
DEPARTMENT OF THE AIR FORCE:								
F-15 AIRCRAFT	364.5	40.4	174.9	494.7	215.7	53.4		1,4224.0
ADVANCED AIRBORNE COMMAND POST (A-10)	259.1		14.5	443.2	7.5	7.5		757.4
AIRBORNE WARNING AND CONTROL SYSTEM (A-10)		4.4	44.7	47.4	156.4	47.1		217.1
ALCM MISSILE		55.2	12.7	54.2	744.3	12.7		470.7
THE SATELLITE COMM SYS COSCS III-SPACE (SNT)		4.0		51.4	118.4	42.0		265.8
F-111A AIRCRAFT		11.4	15.4	124.3	104.0	4.7		134.5
F-16 AIRCRAFT		41.4	204.0	331.2	341.7	111.2		427.7
F-14 AIRCRAFT		94.0	244.3	1,4434.7	1,4440.2	20.4		1,4561.1
GROUND LAUNCHED CRUISE MIS- SILE (GLCM)	223.3	55.7	40.2	17.1	354.5	1.9	132.4	427.3
ARM (ACM-13)				223.3	281.4	44.5		468.2
F-15 WAVEPACK (ACM-13D)	1.1		23.2	44.3	453.5	55.3	43.4	574.4
POSITIONING & LOCATING STRIKE SYS	245.7		24.4	14.2	72.0			174.5
SIDEWINDER AIR-TO-AIR MISSILE	23.7	15.4	14.4	4.4	24.5	2.1		17.3
SPARROW AIR-TO-AIR MISSILE			4.4	4.4	54.2	3.7	24.4	47.3
TOTAL (A-10)	534.3	154.4	494.2	3,4432.4	4,4444.3	142.4	22.4	1,4224.3
DEPARTMENT OF THE ARMY:								
24-44 ATTACK HELICOPTER					724.4	144.5		431.4
AV/FLTR COMMUNICATIONS (F31-TAC)	224.0	23.2	4.2	24.7	114.3	42.3		1,4561.1

APPENDIX IV

APPENDIX IV

ANNUAL COST CHANGES FOR ACTIVE WEAPON SYSTEMS SHOWN ON SELECTED ACQUISITION REPORTS AT SEPTEMBER 30, 1990 (DOLLARS IN MILLIONS)

SYSTEM	ANNUAL COST CHANGES							TOTAL
	QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC	ESTIMATING	SUNDRY	
DEPARTMENT OF THE ARMY: (CONT.)								
BLACKHAWK UH-60A UTAS HELICOPTER		.3	259.7	543.7	457.8	1,011.7		2,324.2
CH-47 HELICOPTER MODERNIZATION			11.9-		142.5	194.9		515.5
COPPERHEAD CANNON LAUNCHED GUIDED PROJECTILE	514.8-	4.9	4.7	147.4	130.9	4.9	.3-	217.9-
CRVAD GUN			103.4-	395.1	452.3	33.2		788.2
FIGHTING VEHICLE SYSTEM (FORMERLY IFV/CFV/MICV)	1,441.1-	75.4	300.7	343.3-	734.5	2,450.7		1,3319.0
HELLFIRE MISSILE SYSTEM			13.7-	5.1	118.4	15.9		119.7
M-198 TOWER 155MM HOWITZER	57.4	1.3		10.5	9.8	1.5-		76.5
MULTIPLE LAUNCH ROCKET SYS (M270 SSRS)	44.7		57.3-	75.5	545.1	195.3-	.2	505.5
PATRIOT MISSILE (SAM-D)		499.8	496.2	531.1	633.5	34.9		2,4284.5
PERISHING II MISSILE BATTERY			17.4	23.1-	199.1			133.4
ROLLAND MISSILE SYSTEM	419.6-	30.5	103.9-	45.1	122.7	123.2-		454.4-
STANDOFF TARGET ACQ SYS (SOTAS)	371.9-		20.9-	2.5	141.5	2.0		245.7-
STINGER MISSILE SYSTEM				113.5	171.5	119.0		403.1
TACTICAL FIRE DIRECTION SYSTEM	131.5-	.1	25.3-	1.0-	.2	3.4		132.2-
M4-1 TANK		93.7	398.0	432.1	1,470.8	235.4-		2,4158.5
TOTAL (17)	3,493.8-	733.4	1,412.5+1	1,973.0	6,447.5	3,721.0	.1-	10,472.0

APPENDIX IV

• DRUG-RAV ACCIDENTS • 1979

APPENDIX V

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE	COST CHANGE DUE TO					CURRENT ESTIMATE		
		QUANTITY	ENGINEERING	SUPPORT	SCHEDULE	ECONOMIC		ESTIMATING	SUNDRY
DEPARTMENT OF THE AIR FORCE:									
A-10 AIRCRAFT	24499.7	364.5	377.6	234.7	14937.4	14113.7	9.0-	26.0	64735.4
ADVANCED AIRBORNE COMMAND POST (E-4)	444.2	61.1-	22.2	13.2-	535.7	55.3	100.0		14730.2
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A)	24661.5	50.4	52.4	84.1	14207.3	506.9	133.4-	3.4-	44757.5
ALCM MISSILE	44184.0	19.1-	164.8	9.4	1654.5	829.4	3.5-	.2-	54223.4
DEF SATELLITE COMM SYS (DSCC III-SPACE SGT)	893.5		27.8		57.4	153.5	34.4-		14103.3
EF-111A AIRCRAFT	531.2		7.4-	101.5	371.2	120.4	127.5	12.3	14458.2
F-15 AIRCRAFT	74355.2		471.5	223.2	14839.1	3479.3	34.1-	767.7	144200.7
F-16 AIRCRAFT	64054.5	54364.7	530.4	2427.2	14434.7	3433.3	133.4-	55.4	144712.1
GROUND LAUNCHED CRUISE MISSILE (GLCM)	14427.2	225.0-	61.3	103.0	109.0	370.4	44.9	132.8	24423.4
HARM (AGM-84)	14052.0	124.7			223.3	314.2	145.0		14443.2
JIP MAVERICK (AGM-65D)	14502.9	54.1		24.2-	227.5	334.7	4.4	44.4	24432.5
POSITIONING & LOCATING STRIKE SYS	954.3	242.3-	2.45-	103.9-	44.2	77.2	2.4		542.2
STORMING AIR-2L MISSILE	133.7	90.4	41.2	39.5	19.5	85.5	140.0	1.4	543.2
SPARROW AIR-7E MISSILE	254.1	277.4	14.3	19.8	194.7	208.2	10.4-	16.4-	337.4
TOTAL (A)	344264.2	34495.5	14765.3	24700.7	44014.0	114342.1	134.1	14352.3	544423.4
DEPARTMENT OF THE ARMY:									
AR-34 ATTACK HELICOPTER	14749.1		32.4	127.4	441.7	1433.4	343.5		54456.2
AVITC-A COMMUNICATIONS (YF1-TAC)	441.1	379.1-	44.4	17.4	17.5-	346.3	45.1	55.0	411.4

AD-A096 843 GENERAL ACCOUNTING OFFICE WASHINGTON DC MISSION ANAL--ETC F/G 5/1
FINANCIAL STATUS OF MAJOR FEDERAL ACQUISITIONS SEPTEMBER 30, 19--ETC(U)
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APPENDIX V

BLACKHAWK UH-60A UTTAS HELICOPTER	2,307.3	22.0-	24.8-	140.3	383.3	1,830.5	1,333.0	19.9	5,987.5
CH-47 HELICOPTER MODERNIZA- TION	1,562.4			37.8	36.4	553.5	187.2		2,377.8
CORSEYHEAD CANNON LAUNCHED GUIDED PROJECTILE	1,240.7	643.1-	25.5	14.7	251.9	211.4	55.3	5.0	1,152.4
JIVAN GUN	3,195.8	64.1		113.4-	415.9	516.5	48.6		4,117.5
FIGHTING VEHICLE SYSTEM (FORMERLY IFV/CFV/MICV)	726.4	2,538.4	867.1	356.8	239.0-	1,072.6	2,459.2	17.9	7,809.4
MELLFIRE MISSILE SYSTEM	735.1	4.3-	7.0	7.5-	35.5	180.5	75.6		1,021.9
M-19A TOWED 155MM HOWITZER	121.9	5.7	3.1	3.3	21.3	64.5	35.1		255.9
MULTIPLE LAUNCH ROCKET SYS (MARS)	3,454.0	48.7		67.3-	75.5	645.1	196.6-		3,959.4
PATRIOT MISSILE (SAM-2)	5,240.5	1,842.5-	356.4-	765.0	1,050.3	2,352.3	973.7	27.5	7,915.5
PERSHING II MISSILE BATTERY	1,571.0			17.4	23.1-	199.1			1,764.4
ROLAND MISSILE SYSTEM	1,119.5	389.4-	61.6	39.4	206.3	246.5	564.9	90.7	1,938.8
STANDOFF TARGET AC2N SYS (SOTAS)	1,282.8	371.9-	5.6	20.9-	2.6	152.8	2.0		1,033.0
STINGER MISSILE SYSTEM	475.8	155.7	56.6	28.4	133.2	425.4	366.5	7.3	1,646.9
TACTICAL FIRE DIRECTION SYSTEM	160.5	59.5-	50.8	25.9	4.0	52.4	130.9	11.5-	333.4
XM-1 TANK	4,779.4	4,784.0	173.2	375.0	758.2	2,051.3	153.0		13,084.1
TOTAL (17)	32,520.7	3,884.8	940.4	1,740.0	3,556.5	11,745.7	5,333.0	212.1	51,195.2

DEPARTMENT OF THE NAVY:

CAPTOR ANTI-SUB WEAPON SYSTEM	329.2	689.1-	192.7	27.4-	206.9	46.3	355.9		425.3
CG-47 GUIDED MISSILE DESTROYER	14,083.5	1,847.1	488.5	84.3	202.8-	1,469.4	154.4		17,935.2
CH-53E (SUPER STALLION) HELICOPTER	578.4	164.8-	64.2	89.5	136.4	81.5	90.7	3.3	879.0
CVN-71 AIRCRAFT CARRIER	2,420.6					191.9			2,612.5
E-2C (HAWKEYE) AIRCRAFT	586.2	1,552.5	140.2	501.2	51.4	314.4	115.8		3,253.7

*PROGRAM ADDED SINCE SEPTEMBER 30, 1979

APPENDIX V

APPENDIX V

APPENDIX V

PROGRAM COST DATA APPEARING ON SELECTED ACQUISITION REPORTS
AT SEPTEMBER 30, 1990
(DOLLARS IN MILLIONS)

AGENCY AND PROGRAM -----	PLANNING AND/OR DEVELOPMENT ESTIMATE -----	COST CHANGE DUE TO					ESTI- MATING	SUNDY	CURRENT ESTIMATE -----
		QUANTITY	ENGI- NEERING	SUPPORT	SCHEDULE	ECONOMIC			
DEPARTMENT OF THE NAVY: (CONT.)									
F-14 (TOMCAT) AIRCRAFT	6,166.0	1,472.5	132.5	1,259.3	1,097.1	895.6	551.3	79.1	11,693.6
F/A-18 (HORNET) AIRCRAFT	12,875.3	6,870.4	381.5	1,350.5	139.0	5,612.3	2,473.2		29,712.3
FFG-7 SHIP	3,244.5	1,155.4	985.5	185.3	1,626.0	2,928.4	1,435.9		11,454.5
HAWK (AGM-88) MISSILE	1,357.9	17.0-	14.0		271.7	254.3	121.9		2,002.8
HARPOON MISSILE SYSTEM	1,031.8	317.1	143.2	225.7	118.7	356.9	143.0		2,336.4
LAMPS MK-III (SH-60B) SHIP SYSTEM	3,907.5	13.8	83.0-	264.4-	78.7-	799.8	1,105.0		5,401.1
P-3C (ORION) AIRCRAFT	1,294.2	2,143.7	447.1	194.0	957.3	599.4	186.5	5.9	5,927.4
PHALANX CLOSE-IN WEAPON SYSTEM	566.5	175.7	131.3	305.9	267.3	185.9	48.0		1,684.5
PHN SHIP	726.2	535.1-	3.6	1.1	137.5	16.1	32.7	29.4	413.5
PHOENIX (AIM-54A/C) MISSILE	536.4	192.9	91.7	112.3	624.8	250.0	153.3	57.3	2,021.4
SIDEWINDER AIM-9L MISSILE	99.7	43.4	60.3	53.0	77.2	54.5	45.1	.1-	433.1
SPARROW AIM-7F MISSILE	453.5	235.1	54.6	95.1	253.2	380.3	50.9	35.9	1,550.7
SSN-588 SUBMARINE	5,747.5	3,128.1	127.7	273.3	41.3	2,155.2	238.3	412.8	12,125.5
SURTASS ARRAY SENSOR	259.3		68.2	10.4	104.8	54.5	85.4	9.3	593.0
TACTAS	501.1	38.3-	107.5	7.7-	27.3	285.5	213.3		1,194.2
TONAWAWK (SLCM) MISSILE	2,422.9	693.2-	123.2	5.4	245.0	98.3	77.2		2,280.0
TRIDENT SUB/MISSILE SYSTEM	12,431.1	8,011.9	8.0	58.5	2,626.5	4,890.1	194.1	527.0	28,751.3
5" GUIDED PROJECTILE	500.5	265.9-	18.2		51.9	55.3	5.9-		334.7
TOTAL (23)	72,222.0	24,759.0	3,600.8	4,510.5	8,781.8	22,079.4	7,913.0	1,159.8	145,025.3

APPENDIX VI

APPENDIX VI

SELECTED MILITARY PROGRAMS QUANTITY AND PROGRAM UNIT COSTS (DOLLARS IN MILLIONS)

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE		CURRENT ESTIMATE SEPTEMBER 30, 1980		NOTES
	QUANTITY	PROGRAM UNIT COST	QUANTITY	PROGRAM UNIT COST	
DEPARTMENT OF THE AIR FORCE:					
A-10 AIRCRAFT	743	3.351	835	7.229	
ADVANCED AIRBORNE COMMAND POST (E-4)	7	69.185	6	205.533	
AIRBORNE WARNING AND CONTROL SYSTEM (E-3A)	42	63.371	34	128.162	
ALCM MISSILE	3,459	1.209	3,442	1.548	
DEF SATELLITE COMM SYS (DSCS III-SPACE SGMT)	14	63.829	14	78.85	
EF-111A AIRCRAFT	42	15.045	42	32.339	
F-15 AIRCRAFT	749	9.82	749	18.95	
F-16 AIRCRAFT	658	9.201	1,396	13.404	
GROUND LAUNCHED CRUISE MIS- SILE (GLCM)	702	2.175	559	3.732	
HARM (AGM-88)					01
IIR MAVERICK (AGM-55D)	31,113	.051	32,553	.079	
POSITIONING & LOCATING STRIKE SYS	3	318.167	1	642.9	
SIDEWINDER AIM-9L MISSILE	5,724	.623	9,423	.05	
SPARROW AIM-7F MISSILE	4,900	.052	3,495	.11	
DEPARTMENT OF THE ARMY:					
AH-64 ATTACK HELICOPTER	345	5.895	545	10.746	
AN/TTC-39 COMMUNICATIONS (TFT-TAC)	308	2.601	170	5.359	

APPENDIX VI

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SELECTED MILITARY PROGRAMS QUANTITY AND PROGRAM UNIT COSTS (DOLLARS IN MILLIONS)

AGENCY AND PROGRAM	PLANNING AND/OR DEVELOPMENT ESTIMATE		CURRENT ESTIMATE SEPTEMBER 30, 1980		NOTES
	QUANTITY PROGRAM UNIT COST		QUANTITY PROGRAM UNIT COST		
	QUANTITY	PROGRAM UNIT COST	QUANTITY	PROGRAM UNIT COST	
DEPARTMENT OF THE ARMY: (CONT.)					
BLACSHAW UH-50A UTAS HELICOPTER	1,123	2.055	1,117	5.35	
CH-47 HELICOPTER MODERNIZA- TION	354	4.293	354	6.532	
CUPPERHEAD CANNON LAUNCHED GUIDED PROJECTILE	133,058	.009	44,706	.026	
DIVAD 6JM	522	5.122	522	5.52	
FIGHTING VEHICLE SYSTEM (FORMERLY IFV/CFV/MICV)	1,205	.603	5,903	1.131	
HELLFIRE MISSILE SYSTEM	24,841	.03	24,829	.041	
M-198 TOWED 155MM HOWITZER	564	.184	538	.401	
MULTIPLE LAUNCH ROCKET SYS (M270 GSRs)	183	18.874	286	13.844	
PATRIOT MISSILE (SAM-D)	240	21.835	108	73.301	
PERSHING II MISSILE BATTERY	17	94.241	17	105.843	02
ROLAND MISSILE SYSTEM	184	5.084	99	19.584	
STANDOFF TARGET AC2N SYS (SOTAS)	28	45.814	20	52.65	
STINGER MISSILE SYSTEM	23,202	.02	39,551	.054	
TACTICAL FIRE DIRECTION SYSTEM	149	1.077	73	4.567	
XM-1 TANK	3,325	1.437	7,071	1.95	
DEPARTMENT OF THE NAVY:					
CAPTOR ANTI-SUB WEAPON SYSTEM	5,077	.054	324	.46	

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CG-47 GUIDED MISSILE DESTROYER	16	880.219	18	996.4	
CH-53E (SUPER STALLION) HELICOPTER	74	7.8	53	15.585	
CVN-71 AIRCRAFT CARRIER	1	2.420.6	1	2.612.5	03
E-2C (HAWKEYE) AIRCRAFT	30	13.54	97	33.537	
F-14 (TOMCAT) AIRCRAFT	469	12.625	491	23.019	
F/A-18 (HORNET) AIRCRAFT	811	15.875	1,377	21.578	
FFG-7 SHIP	50	64.89	54	212.307	
HARM (AGM-88) MISSILE	5,735	.202	5,556	.305	
HARPOON MISSILE SYSTEM	2,922	.753	2,637	.895	
LAMPS MK-III (SM-50B) SHIP SYSTEM	61	64.26	57	80.545	04
P-3C (ORION) AIRCRAFT	104	12.444	275	21.554	
PHALANX CLOSE-IN WEAPON SYSTEM	370	1.535	466	3.515	
PHM SHIP	20	24.21	6	68.917	
PHOENIX (AIM-54A/C) MISSILE	2,384	.225	2,874	.703	
SIDEWINDER AIM-9L MISSILE	3,554	.028	4,169	.104	
SPARROW ATM-7F MISSILE	10,745	.042	9,848	.157	
SSN-598 SUBMARINE	32	179.609	40	303.155	
SUPTASS ARRAY SENSOR	13	19.945	13	45.615	
TACTAS	126	4.771	104	11.483	
TOMAHAWK (SLCM) MISSILE	1,153	2.083	513	4.444	
TRIDENT SUB/MISSILE SYSTEM	13	1,243.11	14	2,053.554	05
5" GUIDED PROJECTILE	34,218	.015	13,973	.732	

*PROGRAM ADDED SINCE SEPTEMBER 30, 1979

NOTES

1. Classified data not presented.
2. Quantities are stated in battery equivalents.
3. Excludes F-14B development costs.
4. Unit costs onclude 210 helicopters in the development estimate and 209 helicopters in the current estimate.
5. Unit costs include 369 missiles in the development estimate and 568 missiles in the current estimate.

APPENDIX VII

[illegible][illegible]

APPENDIX VII

APPENDIX VII

SUMMARY OF ACQUISITIONS AGED IN 10-YEAR INCREMENTS FROM ORIGINAL APPROVAL AND ESTIMATED COSTS AT SEPTEMBER 30, 1980 (DOLLARS IN MILLIONS)

AGENCY	NO. OF PROJ.	SUMMARY EST. COST	NO. OF PROJ.	EST. COST 6-10	NO. OF PROJ.	EST. COST 11-20	NO. OF PROJ.	EST. COST 21-30	NO. OF PROJ.	EST. COST 31-40	NO. OF PROJ.	EST. COST 41-50	NO. OF PROJ.	EST. COST OVER 50
DEPARTMENT OF TRANSPORTATION:														
FEDERAL AVIATION ADMINISTRATION	19	2,834.7	19	2,834.7										
FEDERAL HIGHWAY ADMINISTRATION	6	138,671.0	4	907.0										
FEDERAL RAILROAD ADMINISTRATION	1	2,572.0	1	2,572.0										
U.S. COAST GUARD	9	2,145.2	9	2,145.2										
URBAN MASS TRANSPORTATION ADMINISTRATION	59	11,115.6	59	11,115.6										
DISTRICT OF COLUMBIA GOVERNMENT	6	355.4	4	218.0	2	147.4								
ENVIRONMENTAL PROTECTION AGENCY	300	24,942.7	300	24,942.7										
GENERAL SERVICES ADMINISTRATION	12	740.5	11	574.7	1	55.9								
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	16	13,741.4	16	13,741.4										
NATIONAL RAILROAD PASSENGER CORPORATION	8	1,064.1	8	1,064.1										
NATIONAL SCIENCE FOUNDATION	1	78.2	1	78.2										
PENNSYLVANIA AVENUE DEVELOPMENT CORPORATION	1	223.0	1	223.0										
SMITHSONIAN INSTITUTION	1	26.5	1	26.5										
TENNESSEE VALLEY AUTHORITY	14	25,373.8	12	35,158.4	2	205.4								
VETERANS ADMINISTRATION	27	1,911.7	23	1,583.1	4	328.6								
WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY	2	8,199.9	2	8,199.9										
TOTAL	1,040	776,547.0	807	529,129.4	162	93,687.4	29	143,644.5	21	5,025.8	14	5,790.6	7	9,269.1

APPENDIX VIII

APPENDIX VIII

OUR REPORTS ON SELECTED MAJOR ACQUISITIONSISSUED DURING FISCAL YEARS 1975-80

<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Appalachian Regional Commission: Appalachian Development Highway	PSAD-76-155	11/03/76
Architect of the Capitol: Hart Senate Office Building	LCD-78-233	8/14/78
House Office Building Annex #2	LCD-79-319	7/19/79
Library of Congress Madison Building	LCD-79-330	9/17/79
Department of Commerce: National Oceanic and Atmospheric Administration: Automated Field Operations System	Letter report	8/04/76
Procurement & Property Management	PSAD-80-66	8/16/80
Department of Defense: Consistent & Uniform Inflation Impediments to Reducing Weapon Systems Costs	PSAD-78-8	3/20/78
Implications-Highly Sophisticated Weapons on Defense Capabilities	PSAD-80-6	11/08/79
Issues in 21 Recent Major Weapon Systems Reports	PSAD-80-61	6/30/80
"SARs" Defense Reports Should Provide More Information	PSAD-80-43	6/12/80
	PSAD-80-37	5/09/80
Defense Logistics Agency: Defense Integrated Data System	LCD-77-117	12/20/77
Department of the Air Force: A-10--Aircraft	a/C-PSAD-78-33	5/19/78
--Design to Cost	PSAD-78-79	3/20/78
--Integrated Logistics Support	C-LCD-80-2	10/30/79
Arnold Engineering Center	PSAD-80-51	5/22/80
AWACS--E-3A	PSAD-78-42	11/25/77
--NATO	ID-80-47	7/01/80
B-1 Bomber	PSAD-77-121	5/25/77
Cruise Missiles--Status	C-PSAD-80-19	2/28/80
--Nuclear Warhead	PSAD-79-4	11/07/78
Defense Satellite Communication	C-LCD-79-103	3/12/79
EF-111A--Development Decision	PSAD-80-71	8/27/80
--Cost Disclosure	PSAD-80-16	12/04/79
F-15--Aircraft	PSAD-79-23	1/26/79
--Contract Price Review	PSAD-80-4	10/24/79

a/Reports preceded by "C" are classified.

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<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Department of the Air Force (cont.):		
F-16--Aircraft	PSAD-79-63	6/25/79
--Contract Price Review	PSAD-78-3	10/24/79
--Integrated Logistics	LCD-80-89	8/20/80
HARM Missile	a/C-PSAD-80-22	2/29/80
JTIDS	PSAD-80-22	1/30/80
KC-10A Tanker/Cargo Aircraft	PSAD-79-8	1/05/79
Maverick Weapon System	C-PSAD-80-21	2/29/80
MX--Missile	PSAD-80-29	2/29/80
--Land Acquisition	PSAD-79-76	4/18/79
NAVSTAR--GPS	PSAD-80-21	2/15/80
Phase IV--Base Computers	FGMSD-80-30	1/24/80
Precision Locator Strike System	C-PSAD-80-23	2/29/80
Sparrow (AIM-7F)	C-PSAD-78-59	2/15/78
Strategic Airlift Requirements	PSAD-76-148	6/08/76
Strategic Air-Launched Missile	C-PSAD-80-16	2/25/80
WWMCCS	LCD-80-22A	6/30/80
Department of the Army:		
AH-64 Helicopter	C-PSAD-79-33	2/20/79
Blackhawk--(UTTAS) Helicopter	PSAD-77-31	2/25/77
--Design to Cost	PSAD-78-79	3/20/78
Chaparral Missile	C-PSAD-77-38	2/28/77
CH-47--Helicopter Modernization	PSAD-78-18	2/24/78
--Design to Cost	PSAD-78-79	3/20/78
--Integrated Logistics	LCD-78-415	5/03/78
Copperhead Guided Projectile	C-PSAD-79-34	2/20/79
DIVAD Gun	C-PSAD-80-9	1/31/80
Fort Campbell Hospital	HRD-77-5	11/18/76
Hawk Missile	PSAD-79-82	5/25/79
Hellfire Missile	C-PSAD-79-33	2/20/79
Infantry Fighting Vehicle	PSAD-80-27	2/05/80
Multiple Launch Rocket System	C-PSAD-80-20	2/26/80
NAVSTAR-GPS	PSAD-80-21	2/15/80
Patriot (SAM-D)	C-PSAD-80-27	7/31/80
Pershing II Missile	PSAD-77-51	1/24/77
Remotely Piloted Vehicle	PSAD-77-30	2/18/77
Roland Missile	PSAD-79-100	8/17/79
Single Channel Ground/Air Radio	C-LCD-80-11	8/15/80
Standoff Target System	C-PSAD-79-29	2/26/79
Stinger Missile	C-PSAD-78-20	3/15/78
Tactical Fire Direction System	LCD-78-116	6/02/78
TRI-TAC Communications System	C-LCD-79-107	2/23/79
XM-1 Tank	PSAD-80-20	1/29/80
Department of the Navy:		
5" Guided Projectile	C-PSAD-79-34	2/20/79
ADP-Pay System	FGMSD-80-71	9/26/80

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<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Department of the Navy (cont.):		
AEGIS/DDG-47	a/C-PSAD-80-18	2/24/80
AV-8B Carrier Aircraft	PSAD-80-23	2/08/80
Captor Mine	C-PSAD-80-11	2/11/80
CH-53E Helicopter	PSAD-78-27	3/23/78
Cruise Missiles	C-PSAD-80-19	2/28/80
CVV Carrier	C-PSAD-78-24	3/15/78
DIFAR Sonobouy	C-PSAD-78-120	8/18/78
F-14--Tomcat Aircraft	C-PSAD-79-44	2/28/79
--Subcontract Reviews:		
General Electric Corp.	PSAD-79-15	1/04/79
Aeronco, Inc.	PSAD-79-45	3/12/79
Western Gear Corp.	PSAD-79-47	3/19/79
B. F. Goodrich	Letter Report	8/24/78
F/A-18--Aircraft	PSAD-80-24	2/14/80
--Cost Estimates	PSAD-80-74	8/19/80
--Ejection Seat Contract	PSAD-77-167	9/28/77
--Integrated Logistics	LCD-80-65	6/06/80
FFG-7--Ship	C-PSAD-80-15	2/25/80
--Design to Cost	PSAD-78-79	3/20/78
Fleet Oilers	PSAD-78-64	1/03/78
Fleet Oilers and Ocean Tugs	LCD-78-234A	8/30/78
HARM Missile	C-PSAD-80-22	2/29/80
Harpoon Missile	C-PSAD-77-21	2/10/77
High Energy Laser	C-PSAD-76-141	8/05/76
JTIDS	PSAD-80-22	1/30/80
Lamps MK-III	C-PSAD-80-13	2/21/80
Maverick Weapon System	C-PSAD-80-21	2/29/80
Mine Countermeasures	C-PSAD-78-22	3/31/78
MK-48 Torpedo	LCD-76-451	5/09/77
NAVSTAR-GPS	PSAD-80-21	2/15/80
P-3C Orion Aircraft	PSAD-75-60	4/18/75
PHM--Ship	C-PSAD-77-46	2/25/77
--Cost Reduction	PSAD-80-3	10/18/79
Phoenix Missile	C-PSAD-79-44	2/28/79
Ship Acquisition Process	PSAD-79-79	4/19/79
Shipbuilding Contract Management	PSAD-80-18	1/10/80
Sparrow (AIM-7F)	C-PSAD-78-59	2/15/78
SSN-688--Submarine	C-PSAD-79-18	2/09/79
--Contract Price Review	PSAD-80-68	8/18/80
Strategic Communications	C-PSAD-79-48	3/19/79
SURTASS	C-PSAD-80-12	2/21/80
TACTAS	C-PSAD-78-113	7/27/78
Torpedo Development/Improvement	PSAD-79-36	2/21/79
Trident--Sub/Missile System	C-PSAD-79-18	2/09/79
--Integrated Logistics	LCD-79-415	9/28/79
--Support Facilities	LCD-78-328	6/14/78
Uniformed Services University	MWD-76-122	5/05/76

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<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Department of Energy:		
Clinch River Breeder Reactor	EMD-79-89	7/10/79
Cost of Savannah River Facility	PSAD-79-20	1/16/79
DP Site PU Facility, LASL, NM	PSAD-78-90	6/02/78
Fast Breeder Reactor Program	EMD-80-81	9/22/80
Fast Flux Test Facility	EMD-76-13	11/15/76
Fluidized Bed Combustion	EMD-80-12	11/09/79
Liquefying Coal	EMD-80-84	8/13/80
Magnetohydrodynamics	EMD-80-14	2/11/80
Nuclear Fuel & Safeguards	EMD-80-38	3/18/80
Ocean Thermal Energy	EMD-80-107	8/08/80
Pacific Northwest Intertie	EMD-80-100	9/24/80
Solar Energy Research Institute	EMD-80-106	8/18/80
Strategic Petroleum Reserves	PSAD-80-30	4/03/80
Strategic Petroleum Reserves	EMD-80-18	1/02/80
Tokamak Fusion Test Reactor	EMD-79-27	9/28/79
Uranium Enrichment Facilities	EMD-79-94	9/06/79
Department of the Army, Corps of Engineers:		
Catherine Creek Lake, Or.	CED-76-147	8/31/76
Clarence Cannon Dam, Mo.	PSAD-77-131	7/18/77
Cost Estimates for Water Resources Projects	PSAD-79-13	1/26/79
Hillsdale Lake, Ks.	CED-78-123	7/11/78
Lake Ponchartrain, La.	PSAD-76-161	8/31/76
Libby Reregulating Dam, Mt.	EMD-80-93	7/10/80
Little Blue River Lakes, Mo.	CED-78-179	9/22/78
New Melones Lake, Ca.	CED-80-29	12/21/79
Red River Waterway	CED-78-127	8/07/78
Department of the Interior:		
Water Resources Service:		
(Bureau of Reclamation):		
Central Arizona Project	CED-79-11	5/04/79
Central Valley, Ca.	EMD-78-18	11/21/77
Colorado River Storage Project	CED-78-123	7/11/78
Cost Estimates for Water Resources Projects	PSAD-79-13	1/26/79
Delores Project, Co.	CED-78-127	8/07/78
Fryingpan-Arkansas, Co.	RED-76-49	11/17/75
Palmentto Bend Dam	PSAD-78-43	12/16/77
Southern Nevada Water Project	CED-78-123	7/11/78
Teton Dam	CED-77-85	6/30/77
Department of Justice:		
Federal Bureau of Investigation:		
Computerized Criminal Investigation System	GGD-79-81	9/07/79

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<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
Department of Transportation:		
Federal Aviation Administration:		
ARSR-3, Long-Range Radars	PSAD-76-154	8/25/76
Automated Flight Service Station	PSAD-80-1	10/31/79
Improved Air Traffic Control	PSAD-77-13	12/15/76
Microwave Landing System	PSAD-78-149	10/19/78
Federal Highway Administration:		
Bridge Surface Corrosion	PSAD-79-10	1/19/79
Darien Gap Highway	PSAD-78-65	2/23/78
Interstate Highway System:	RED-76-19	9/04/75
Crosstown Expressway-Chicago	CED-78-135	6/30/78
Eisenhower Tunnel-Co.	PSAD-76-85	2/17/76
I-279, Pittsburgh, Pa.	RED-76-118	5/28/76
I-5 & Peripheral Canal, San Joaquin & Sacramento, Ca.	CED-78-65	3/10/78
Federal Railroad Administration:		
Federal Assistance to Railroads	CED-80-90	6/27/79
Northeast Corridor Improvement	CED-79-38	3/29/79
U.S. Coast Guard:		
Harbor Tugboats	PSAD-79-17	1/15/79
Limited Resources Curtail Ability	CED-80-98	4/03/80
Medium Range Surveillance Aircraft	PSAD-77-63	1/17/77
Urban Mass Transportation Administration:		
Atlanta--Metro Rapid Transit	PSAD-80-34	4/09/80
Automated People Mover Projects	CED-80-98	8/19/80
Cars for New Haven Railroad	RED-76-15	9/17/75
Dade County, Fl. & Baltimore, Md., Metro Rapid Transit	PSAD-80-49	6/05/80
Hinderances to Mass Transit Grants	CED-79-82	6/05/79
No Prejudice Authorizations	PSAD-80-36	3/14/79
U.S. Urban Railcar Manufacturers vs. International Market	CED-79-66	7/09/79
Warranties on Equipment	PSAD-80-12	12/07/79
Department of the Treasury:		
Internal Revenue Service:		
Computerized Tax Administration	LCD-76-115	1/17/77

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<u>Agency and projects</u>	<u>Latest report</u>	<u>Date</u>
District of Columbia Government:		
District of Columbia University	GGD-78-77	5/15/78
Environmental Protection Agency:		
Chicago Tunnel & Reservoir	CED-79-77	5/15/79
MSD of Greater Chicago	PSAD-78-94	5/24/78
Multibillion Dollar Construction		
Grant Program	CED-77-113	9/12/77
Suffolk Co., NY., Sewer Project	CED-77-45	3/22/77
Warranties--Treatment Plants	PSAD-80-11	11/16/79
General Services Administration:		
Planning and Budgeting for Public		
Buildings	PAD-80-95	9/09/80
Russell Office Building	LCD-79-313	5/16/79
National Aeronautics and Space		
Administration:		
LANDSAT	PSAD-78-58	4/17/78
Pioneer Venus	PSAD-77-65	11/07/77
Space Telescope	PSAD-80-15	1/03/80
Space Transportation System	PSAD-78-57	8/04/78
Voyager (previously Mariner		
Jupiter/Saturn)	PSAD-77-103	5/20/77
National Science Foundation:		
Very Large Array Telescope	OPA-76-16	7/09/75
Pennsylvania Avenue Development		
Corporation	FOD-77-4A	7/20/77
Tennessee Valley Authority:		
Bellefonte Nuclear Plant, Al.	PSAD-76-86	3/01/76
Cost Estimates--Nuclear Power		
Plants	PSAD-79-49	3/22/79
Tellico Dam	EMD-77-58	10/14/77
Triennial Assessment	EMD-80-91	8/13/80
Veterans Administration:		
Education Computer Target System	HRD-77-98	7/20/77
Health Care Information System	FGMSD-80-60	7/16/80
Hospital Replacements:		
Bay Pines, Fl. & Richmond, Va.	HRD-77-79	4/04/77
Camden, NJ.	HRD-78-51	2/06/78
Washington Metropolitan Area Transit		
Authority:		
Cost Estimates	PSAD-78-141	12/08/78
Issues Being Faced	CED-79-52	4/10/79
Need to Resolve Metro Funding	PSAD-78-123	6/29/77
Operational Safety	PSAD-76-143	5/28/76
Warranties on Equipment	PSAD-79-41	2/27/79

